Worcester Polytechnic Institute

An In-Depth Analysis of Tutoring Strategies in ASSISTments

An Interactive Qualifying Project
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Abstract

This Interactive Qualifying Project involved designing and conducting studies that compared various types of tutoring methods for middle school students using the Assistments system. Three separate experiments were conducted for comparing Tutoring against No Tutoring, Correctness against Test Mode and Mastery Learning against Regular Tutoring methods. The data collected was then analyzed to propose effective tutoring methods. Content for the experiments was developed using Assistments and the study was run at Oak Middle School.

Introduction

Countless preparatory tools for mathematics tutoring have been tested over the years, but the effectiveness of these methods is still largely debated. Worked problems, step-by-step procedures, solving problems on the blackboard are just few of the traditional methods which have been in use for years. The increasing popularity of the web-based tutoring system has been fueled with the development of various educational software including Mastering Physics (developed at MIT) and WebWork which are also employed in college environments. This paper presents three separate experiments that were conducted to test the efficiency of computer-based learning through tutoring and providing instant feedback as opposed to delayed feedback.

In a previous study (Mendicino, Razzaq & Heffernan, 2009), positive results for web-based homework over paper-and-pencil homework were presented which was the primary motivation for the three experiments presented here. The significant effect toward online homework compared to the paper-and-pencil approach prompted the need for conducting the first experiment (Experiment 1), which strengthened the experimental claims by expanding the sample size and conceptualizing the problem sets. However, in Experiment 1, we represented the paper-and-pencil condition with web-based homework that gave no feedback or tutoring. The second study was conducted to compare computer-supported homework with tutoring to computer-supported homework with instant correctness feedback only. This second experiment (Experiment 2A) was primarily an extension of the first. In the tutoring condition, the students were provided with entire step-by-step procedures to solve the problems in the form of hints while the latter condition only allowed students to view hints that gave them the answer without any tutoring. Therefore, the second study was a progression of the first, in that, it looked within the computer-supported learning and tested the effectiveness of tutoring compared to instant feedback. Finally, a third study (Experiment 2B) was carried out to investigate if the second

study could be replicated and if same results could be produced. Prawal Shrestha and his team in 2009 investigated the effectiveness of the web-based tutoring against worked examples and found significantly better results for the tutoring condition. Taking the motivation from this experiment, Experiments 2A and 2B looked further into the effectiveness of tutoring in a computer-based system.

The target population was eighth grade middle school students. As shown by Mendicino et al, it was expected in Experiment 1 that the web-based tutoring with instant feedback would be far more effective than no feedback until the next day. The objectives of Experiments 2A and 2B was to investigate the overall learning of the students using computer-based systems with tutoring as opposed to only instant feedback. It was expected with both of these latter studies that there would be a positive effect for tutoring over correctness feedback. All studies were conducted using the ASSISTment system.

Mastery learning is one of the unique applications of instructional methods introduced into the American education over seventy years ago (Davis & Sorrell, 1995). Unlike the traditional methods, mastery learning coerces the students to become proficient at the current skill before proceeding on to the next. It allows all the students to learn the same amount of content, but at different time frames. In the traditional teaching techniques, the students who underperform at a certain topic in class are obligated to move on to the next topic and are not granted the resources to become competent in that subject matter, therefore, holding the time constant for all the students. Mastery learning attempts to reverse the time-held-constant approach and drives the notion that everyone can learn everything given the right circumstances. In order to investigate the power of mastery learning, the purpose of this study was to improve the effectiveness of homework with mastery learning. It was proven through this study that it is

not satisfactory to simply do the homework, but the idea is to master it to improve the overall learning gain.

Making learning constant and time an independent variable, it was expected through this experiment that homework would prove to be helpful and every student would become proficient at each skill presented in the assignment. As positive results were achieved, this paper confronts the critics who believe that more homework limits learning. In a <u>TIME</u> Magazine article, "The Myth about Homework", Claudia Wallis concludes that "more homework brings diminishing returns" and that it does not improve academic achievement. Alfie Kohn, a widely known writer for human behavior and parenting, shares a similar viewpoint in his book <u>The Homework Myth</u> in which he questions the benefits of overloading the students with homework. This study presents an answer to these critics who clearly doubt the capabilities of daily homework in overall learning. The results show that providing multiple opportunities in the homework to grasp each concept increases the overall learning and makes the amount of content learned universal for the entire student body.

The ASSISTment System

The ASSISTment System is a web-based tutoring system, capable of offering instructions to students while providing detailed evaluations of their performance to teachers. The system integrates assistance and assessment methods to efficiently tutor students in mathematics and is being used by several middle school and high school teachers throughout Massachusetts. Teachers may use this system as part of their coursework to assist students in learning while also obtaining detailed reports on class performance or on individual students. Teachers may then identify difficulties students may be facing to tailor their instructions to be more effective. The system is free to use and is supported from grants from the U.S. Department of Education and the National Science Foundation.

One of the primary design goals of the system is to efficiently tutor students using the process of formative assessment. Influenced by earlier systems such as Cognitive Tutors (Anderson et al. 1995) and Ms. Lindquist (Heffernan & Koedinger, 2002), the ASSISTment System tutors students as they are progressing through an assignment on problems they get wrong. This process of providing feedback and changing tutoring methods without the teacher having to intervene aims towards improving the effectiveness of student learning time. A study conducted in 2005 by Razzaq et al showed that students were reliably learning through the system.
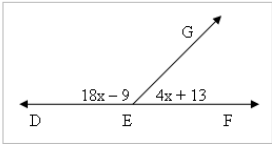
Various tutoring methods are available within the system for assisting students to learn. One of these methods is to give hints to students while another method is to break harder problems into simpler ones. Usually, a combination of both these methods is used and is referred to as the Tutoring Mode. When a student enters an incorrect solution, the system breaks the problem down into simpler problems and prompts the student to answer/solve each step. While the system presents the student with a simpler problem focusing on a particular aspect of the

harder problem, it also provides hints for solving the new problem. Figure 1 demonstrates the use of tutoring that involves the use of some basic algebra and the properties of supplementary angles.

Two other tutoring methods are used for the purpose of the experiments presented in this paper. One method is to provide no feedback to the student. Students are not provided any indication of correctness for their answers. This mode is referred to as the Test Mode. Figure 2 shows the same problem used in Figure 2 presented in Test Mode. The border of the problem turns blue as opposed to red or green in the Tutoring Mode.

The final mode is the Correctness Mode. This mode uses the same tutoring framework for providing hints to students. But, instead of providing hints the system only provides the right answer to the problem. Thus, the student receives instant feedback to problems but does not receive any form of tutoring. Figure 3 shows an example of how hints are used to provide instant feedback without tutoring. The problem has 3 hints. The first hint informs the student that the next hint will reveal the final answer to the problem and the final hint contains the answer to the problem.

Find the measure of angle DEG.

A question based on the properties of supplementary angles

Comment on this question

Break this problem into steps

Type your answer below (mathematical expression):

5

Student answers incorrectly

Submit Answer

✗ Sorry, that is incorrect. Let's move on and figure out why!

What is the sum of angle DEG and GEF?

A simpler question that addresses the properties of supplementary angles directly.

Comment on this question

Angle DEG and GEF for a linear pair, or are supplementary.
By definition, a linear pair adds up to **180 degrees**.

Comment on this hint

A hint
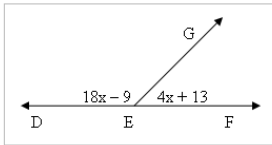
Select one:
○ 360 degrees
○ 45 degrees
○ 90 degrees
◉ 180 degrees

Submit Answer

Student answers correctly and moves on.

✔ Correct!

So if the sum of angle DEG and angle GEF is 180, what is the value of x?

Slowly building towards the original problem.

Comment on this question

Show me hint 1 of 3
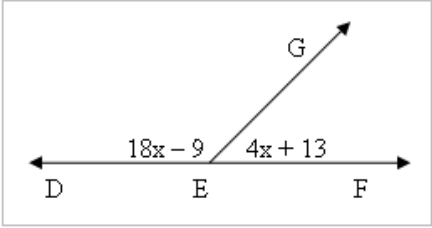
Type your answer below (mathematical expression):

[   ]

Submit Answer

The student is presented with the original problem after he/she is done with this question.

Figure 1. Tutoring mode showing multiple sub-problems.

Find the measure of angle DEG.

G

18x − 9 / 4x + 13

D   E   F

The student does not get any feedback after answering the question.

Comment on this question

Type your answer below (mathematical expression):

34

Submit Answer

We will not tell you if you are right or wrong.

You are done with this problem!

Go to next problem

Figure 2. Test Mode: No Feedback Provided.

The three modes in which problems can be presented to students as homework assignments are used to our benefit to conduct Experiments 1, 2A and 2B.

The purpose of Experiment 1 was to see if providing instant feedback and tutoring in a web-based tutor was better than providing delayed feedback and no tutoring. For this experiment, problems with tutoring were used as homework problems that provided instant feedback to the students. While on the other hand, we used Test Mode problems as the assignments for the control group.

Experiment 2A was designed to observe the effects of tutoring over instant feedback. For the purpose of this experiment, problems with tutoring were used as the homework assignments for the treatment group, whereas problems with a single hint that would give them the right

answer as feedback was used for the control group. The problems used for the control would effectively provide instant feedback in the form of a hint, but would provide no tutoring to the students.

Experiment 2B aimed towards replicating the results found through Experiment 2A. Therefore, the treatment and control group were provided with the Tutoring and Correctness Mode problems respectively.

Figure 3. Correctness Mode showing hints that give away the answer.

The other tutoring method used for the purpose of this experiment is the Mastery Learning method. This mode comprises of problems that contain tutoring in the form of hints. Based on the principal of mastery learning this mode provides students with multiple opportunities to answer questions of the same skill correctly. A student is considered to have mastered a skill after answering a certain number of successive questions correctly. The number of problems that needs to be answered correctly is referred to as the Mastery Limit for the assignment. If a student fails to answer a question correctly, the student is provided with a new problem of the same skill that is very similar to the original one. These problems are referred to as morphs. New morphs are continuously presented to the student until he/she attains the Mastery Limit and demonstrates mastery over a particular skill. Figure 4 shows an example of a problem in a Mastery Learning assignment. If a student is not able to answer the problem shown in Figure 4 without the help of any hints, another problem is given that focuses on the same skill. Figure 5 shows an example of a morph of the problem shown in Figure 4. A student will keep receiving similar morphs of the problem until the student can demonstrate competency in the skill being tested on by answering the Mastery Limit number of problems correctly.

Figure 4: A problem with hints focusing on growth factors in exponential equations.

Figure 5: A morph of the problem shown in Figure 2.

Experiment 1

This experiment analyzed the validity of a previous study (Mendicino, Razzaq & Heffernan, 2009) that compared computer supported homework with paper and pencil homework. The conditions that were compared were tutoring with instant feedback (Tutoring Mode) and no tutoring with delayed feedback (Test Mode). The results strongly suggest that giving students Instant feedback is much better than delayed feedback.

Setting and Participants

The setting for these studies was four eighth grade classrooms and the students' home computers. The students were familiar with the system and had used it for math homework before. With the help of two teachers the problem sets were assigned to the students. Both teachers comprised two classes each and all four classes were a mix of below-average, average and above average students. The total numbers of students in all four classes total up to 172.

Content

The homework assignments consisted of problems that were intended to be a Geometry and Number-sense Review for the students. The assignment tested each student's understanding of supplementary angles, properties of triangles, properties of quadrilaterals and parallel lines, transversals and Pythagorean Theorem.

Experimental Design

We adopted a counterbalanced experimental design for the studies. Each of the four classes of two different teachers was divided into two sub-classes on the basis of their last name which resulted in eight different groups of students. Four of the eight groups got instant feedback tutoring, while the other four got no feedback or tutoring. On the day the homework was assigned, all the students participated in an in-class paper based test which served as an initial knowledge test. The day following the homework assignment, another in-class test was conducted and this was used as the post-test to measure the learning of students.

Procedure

The students completed a pre-test problem in class in paper-and-pencil in a controlled test mode. This served as the pre-test. They were then given a piece of paper with homework questions on it and went home to log the solutions to the problems in ASSISTments. The following day they did another paper-and-pencil assignment in class, which consisted of morph problems, or problems that were similar to the pre-test problems. This served as the post-test. Two different problem sets, one the morph of the other, were used in order to prevent the students from cheating. Although the students were told they would not be graded, they were told to try their best.

Results

The eight classes included in this study had a total of 170 students: 84 students were assigned Tutoring problems and 86 students were assigned Test Mode problems. Out of the 170 students, there were 34 students who did not complete the homework. Twenty-two students were absent during the pre-test and 14 students were not present during the post-test. Therefore, a total of 45 students were absent for all or part of the study. Excluding these students, 125 students participated entirely in the study. In addition to this, we also excluded 6 students that answered all 10 questions correctly in the pre-test. Hence, there were a total of 61 students in the Tutoring condition and 58 students in the Test Mode condition.

Based on the gain scores from pre-test to post-test, learning was observed in both conditions. However, comparing gain scores of the two different conditions showed a reliable difference in favor of tutoring over test mode. The p-value observed for this comparison was 0.002 and the effect size was 0.56. The confidence interval for the effect size of 0.56 was (0.2 – 0.9). The mean gain for students in the Tutoring condition was 2.67 out of 10 whereas it was 1.62 for the Test Mode condition. The above analysis is summarized in Figure 6.

Group Statistics

Conditions	N	Mean	Std. Deviation	Std. Error Mean
Tutoring	61	2.6721	1.81403	.23226
Test Mode	58	1.6207	1.89021	.24820

t-test for Equality of Means						
					95% Confidence Interval of the Difference	
t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
3.093	116.020	.002	1.05144	.33992	.37818	1.72470

Figure 6. Results for student gains for Experiment I.

The results suggest that students reliably learn more from their homework when presented with tutoring and instant feedback as opposed to delayed feedback. Figure 7 shows the distribution of gain scores for tutoring and test mode conditions. From the graph, it can be seen that the students in Tutoring earned higher gain scores than those in Test Mode and that our analysis is not sensitive to a few students. Thus, we were successfully able to replicate the results obtained in the previous (Mendicino, Razzaq & Heffernan, 2009) study.
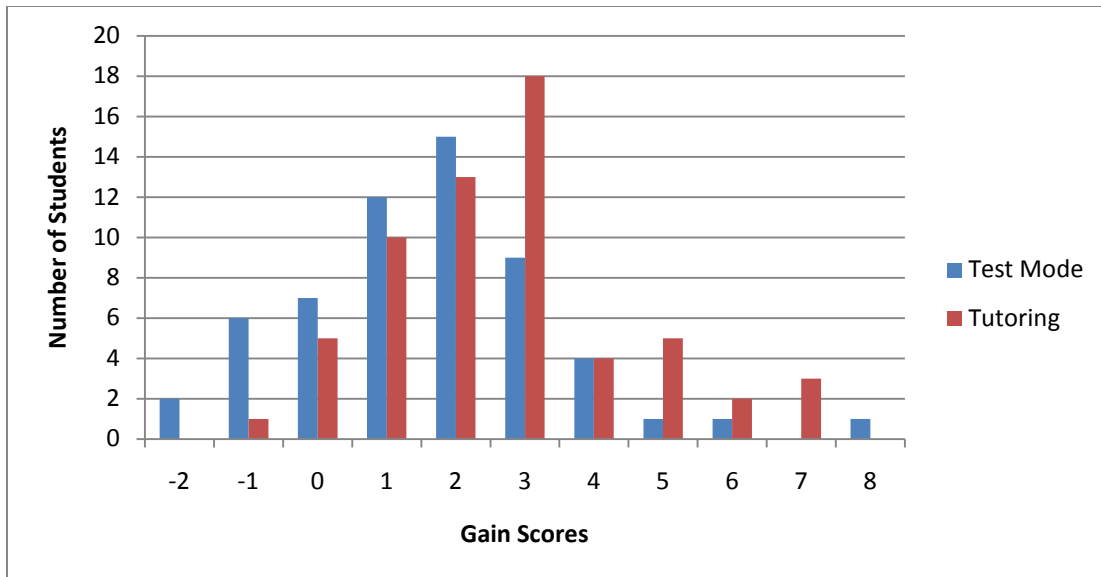
Figure 7: Graph showing distribution of gain scores for Test Mode and Tutoring conditions.

Experiment 2A

This experiment was conducted to analyze the effect of tutoring over instant feedback. The two conditions tested were instant feedback (No Tutoring) and tutoring with instant feedback (Tutoring Mode). The control group was made up of the students participating in the No Tutoring Mode.

Setting and Participants

The setting and participants were the same as Experiment 1.

Content

This experiment consisted of problems that dealt with the understanding of the Pythagorean Theorem. Students were presented with problems that required the use of the Pythagorean Theorem to find the lengths of sides of triangles or deduce the area of some figures.

The problems were morphs of bookwork problems of Connected Mathematics Project (CMP)-Looking for Pythagoras.

Experimental Design

The problems assigned in this study covered the CMP unit Looking for Pythagoras. The students were assigned homework for each of the four assignments in Looking for Pythagoras which they did on their computer in the ASSISTments system. Each student was placed in either Tutoring Mode or No Tutoring Mode randomly by the computer. The first half of each of the four assignments was the pre-test and the second half consisted of corresponding problems which were the post-test.

Procedure

The students received the problem sets as homework. The pretest and posttest comprised equal number of problems. The posttest served as an immediate measure of whether the students were learning as they were part of the same assignment as the pretest. The students were not told that the assignment consisted of a pre-test and a post-test. The homework assignment for this study was assigned as a review for the students after they were done with their regular bookwork.

Results

A total of 196 students started their homework which was included in Experiment 2A. Of the 196 students who started, there were only 72 students who finished at least one out of the four homework assignments. The analysis for overall learning showed that there was significant learning for participants in both conditions. The overall average gain score was 0.56.

After investigating overall learning, the gain scores in the two test conditions were compared. Only the students who completed at least one homework assignment in each condition

were included in this analysis and students who had perfect pretest scores were excluded.

Performing a paired t-test resulted in a p-value of 0.037, indicating a significant difference

between the two conditions. The direction of the effect was towards Tutoring with an effect size

of 0.51. The 95% confidence interval of the effect size ranged from 0.01 to 1.00. Figure 8

summarizes the results obtained for this experiment.

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	No Tutoring	.4063	32	1.16007	.20507
	Tutoring	1.0000	32	1.16398	.20576

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	No Tutoring and Tutoring	32	.119	.515

Paired Samples Test

	Paired Differences							Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper	t	df	
Pair 1 No Tutoring – Tutoring	-.59375	1.54208	.27260	-1.14973	-.03777	-2.178	31	.037

Figure 8. Results for students gains for Experiment 2A

Experiment 2B

This experiment was conducted to determine if the results from Experiment 2A could be replicated. The treatment and control groups for this experiment were the same as Experiment 2A.

Setting and Participants

The setting and participants were the same as Experiment 1.

Content

The problems used for this experiment dealt with exponential and linear growth rates. The problems assigned were morphs of bookwork problems from the CMP unit Growing Growing Growing.

Experimental Design

The students were divided into groups based on their last name and were assigned to each condition. The material presented in this study covered the review section of the CMP Growing Growing Growing bookwork. The homework assignment had a structure that was similar to the assignments in Experiment 2A but contained more problems.

Procedure

The procedure was the same as Experiment 2A.

Results

Out of the 172 students who participated in this experiment, 149 students completed all the problems. Overall learning was observed for all 149 students. The average gain score was 0.804. When comparing the two test conditions, the students who had perfect scores on the pretest were excluded. A significant difference was observed as a result of an Independent

Samples T-Test (2-tailed). The observed p-value was 0.004. The direction of the effect was towards Tutoring and the observed effect size was 0.54. The 95% confidence interval of the effect size was (0.22 - 1.01). Figure 9 summarizes the results of Experiment 2B.

Group Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Tutoring	64	1.1563	1.26263	.15783
Hints	43	.2791	1.63773	.24975

t-test for Equality of Means						
					95% Confidence Interval of the Difference	
t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
2.969	74.340	.004	.87718	.29544	.28854	1.46582

Figure 9. Results for students gains for Experiment 2B

Experiment 3

This experiment focuses on analyzing the effectiveness of homework assigned to students following the guidelines of the concept of Mastery Learning over Regular homework. The control group consisted of students participating in Non-Mastery Mode, which represents Regular homework.

Setting and Participants

The experiment was conducted on students in Eighth grade classes. The entire study was conducted using Web-based assignments through the ASSISTments system. Students were given homework assignments and later a posttest to measure their learning from the homework problems. The web-based homework assignments were completed by students at home using their home computers, while the students used computers present in classrooms for their posttest. The study comprised three classes which had a total number of 128 students. Each class contained a mix of below-average, average and above average students.

Content

The content consisted of questions that tested the understanding of linear and exponential growth rates. The content for the primary problems used for this experiment was extracted from the textbook of the Connected Mathematics Project (CMP) curriculum-CMP Growing Growing Growing. The remaining content consisted of morphs of problems from the textbook.

Experimental Design

To test the effectiveness of Mastery Learning homework the students in the three classes included in our study were each divided into two groups. The division was randomized based on the last name of students. Two types of homework assignments were designed for the treatment and control group of the study.

The control group was assigned questions that directly referenced problems in the homework section of the CMP-GGG book. These problems did not contain any form of tutoring, i.e. no hints were provided. The student was simply given a second chance to answer the question before revealing the right answer. The student is considered to have incorrectly answered the question if he/she is not able to provide the right answer in the first attempt. The

homework assignment of this condition was designed to simulate regular book homework given to students. Figure 10 shows an example of a problem used in the Non-Mastery condition.

The students in the treatment group were also given questions that referenced problems in the CMP-GGG book. However, a student is not allowed to progress through an assignment by answering questions incorrectly. Instead of presenting the next problem in the sequence, the system informs the student they must demonstrate mastery on the topic before moving on to complete their homework. The system then presents morphs of the problems from the book until the student achieves mastery over the skill. The Mastery Limit for the problems was set to three. A student can then demonstrate mastery by answering three consecutive questions correctly. Each problem used as Mastery Learning problem contained tutoring in the form of hints.

The Mastery Mode assignment consisted of a mix of Mastery Section and Regular Section. A Mastery Section is a section of assignment in Mastery Mode and a Regular Section consists of regular problems with tutoring in the form of hints. While doing the Mastery Mode assignment, a student navigates through a set of randomly placed Mastery and Regular Sections.

Procedure

The homework assignments were part of students' regular schoolwork. The teachers taught the material in class and the homework was assigned to augment the schoolwork. Subsequently, the students did their homework using their home computers in the ASSISTments system. The next day, the teachers reviewed the material, progressed through the curriculum and assigned another set of homework problems. Students were encouraged by the teachers to spend up to 30 minutes doing the homework assignment.

The students in the two conditions were assigned two different homework assignments. They were then tested on their proficiency for a certain skill by looking at three problems of the

same skill in the following homework. The posttest was assigned 2 to 4 days after the pretest

assignment was completed. The time interval allowed the posttest to be used as a delayed

retention test.

Figure 10: A problem that references the CMP-Growing Growing Growing book.

Results

Of the 128 students who participated in the study, 64 were assigned to the Mastery

condition and the rest to the Non-Mastery condition. The 50-50 split in the participants was by

chance. We only included the data of 105 students who completed the posttest in our final

analysis. The rest did not complete either part or all of the posttest problems. Of the 105 students,

55 were in Non-Mastery mode and the remaining 50 in Mastery Mode.

The average post test score was 2.41 with standard deviation of 0.77. The average score

of students in Mastery mode was 2.64 while the average score of students in Non-Mastery mode

was 2.20. We conducted a two-tailed t-test which resulted in a p-value of 0.003 in the direction

of Mastery mode. The effect size was 0.52 and we can say with 95% confidence that the effect

size lies within 0.20 to 0.98. This is a significant effect in the direction of Mastery mode which

means the students learn more when their regular homework assignments are coupled with

Mastery Learning. Figure 11 shows the results of the experiment.

Group Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Mastery	50	2.6400	.59796	.08456
Non-Mastery	55	2.2000	.84765	.11430

t-test for Equality of Means						
					95% Confidence Interval of the Difference	
t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
3.095	97.201	.003	.44000	.14218	.15782	.72218

Figure 11: Tables showing the Results of data analysis.

The students in Mastery mode spent relatively more time in doing their homework than students in Non-Mastery mode. This can be seen in the average time spent in each mode: 44 minutes in Mastery and 13 minutes in Non-Mastery Mode. Although the participants spent more time in doing their homework, they learned significantly more. This justifies the assignment of homework to help students learn better. The time taken by students in the two modes is shown in histograms in Figures 12 and 13.
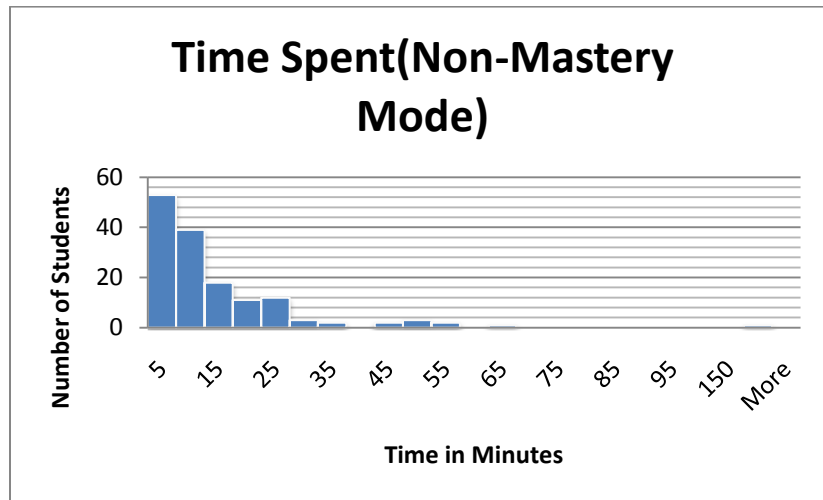
Figure 12: The time spent by students doing their homework in Non-Mastery Mode
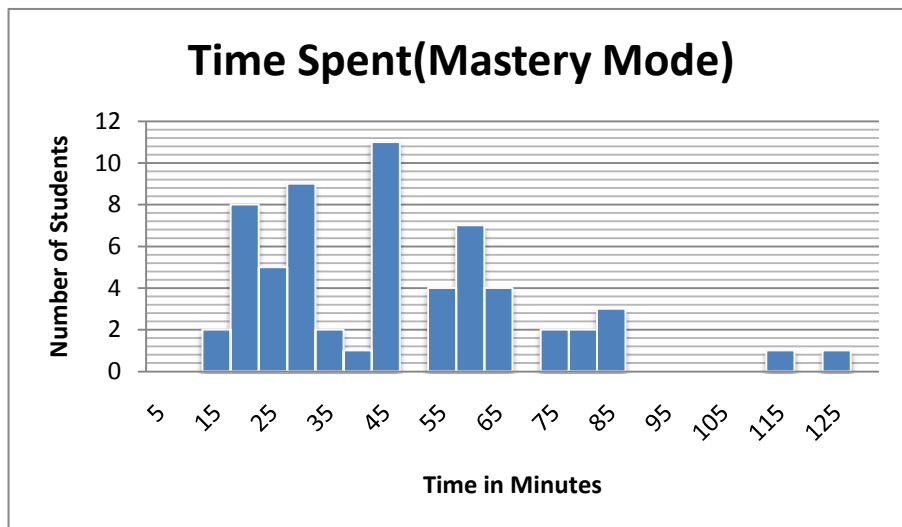
Figure 13: The time spent by students doing their homework in Mastery Mode

The dropout rate among students in the Mastery Mode is higher than the dropout rate among students in Non-Mastery Mode. This is an expected consequence of insisting the children to master the skills in their homework. Although one could argue that due to the higher dropout rates Mastery Mode is ineffective but this argument does not hold as the average score of students in Mastery Mode is clearly higher than students in Non-Mastery Mode. Figures 14 and 15 show the dropout rates of students in Mastery and Non-Mastery Modes respectively.
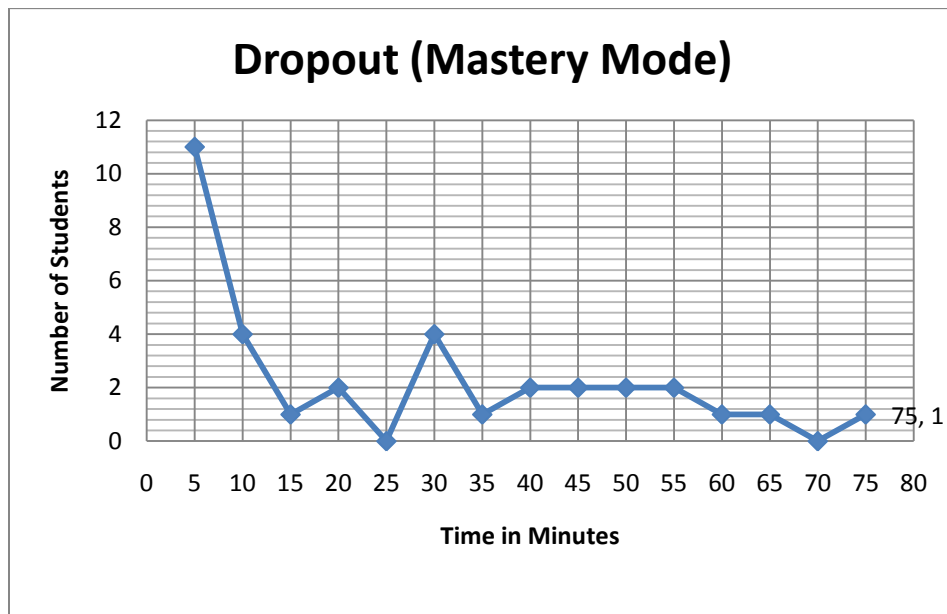
Figure 14: The dropout rate of students vs. Time in Mastery Mode
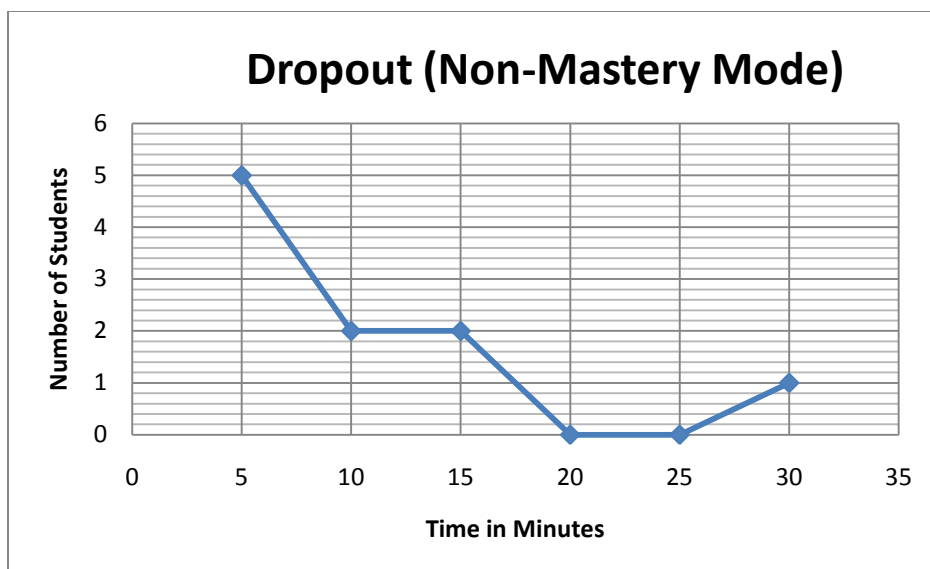
Figure 15: The dropout rate of students vs. Time in Non-Mastery Mode

Discussion

The results show that the students learned significantly more in Mastery Mode. The amount of time taken to complete the mastery problems averaged much higher than those in non-mastery. Being a part of the constant loop of having to correctly answer three consecutive problems for each wrong answer caused each student to master each skill as expected. Analyzing the variety of time intervals taken by the students, we came across numerous interesting cases which emphasize the effectiveness of mastery learning.

One of the students in the mastery mode took close to an hour to finish the homework and went into Mastery Mode seven times. We observed that for the first few questions he got wrong, he did not make use of hints, but as he went on towards the end of the homework, he started utilizing the hints which aided him in getting the correct answers. In contrast, a student finished the same homework in mastery mode in approximately twenty minutes, going into the mastery only two times. This simple comparison shows that although the former student was not

as proficient in the skills presented in the homework and took longer to finish, but by the end of the assignment he had mastered the same amount of content as the latter student who was clearly more capable in the material. The former student in the mastery mode can also be compared to one in non-mastery mode who took only about nine minutes to complete the assignment, but got all the questions wrong except for only a few. Although the former student in mastery mode took much longer to finish his assignment, unlike the student in non-mastery, he had mastered all the skills by the end of the assignment. It shows that it was certainly worthwhile for the students to spend a longer amount of time doing their homework as mastery learning provided multiple opportunities to master the skills at hand.

Conclusion

The original study (Mendicino, Razzaq & Heffernan, 2009) was successfully replicated. The positive results certainly reinforced the observation that computer-supported homework produces superior results to the more traditional approaches. Web-tutoring has a significant effect on the overall learning gains and has been proven a number of times with several studies. Through the positive results, it can be claimed that detailed scaffolding and hints provide the proper mechanism for the students to completely grasp the problem at hand. The ASSISTment system provides the necessary tools for the students to learn more and for the teacher to identify where the students are facing difficulties at an individual level. Although the experiments provided credible results, it is suggested for future work to investigate the web-based tutoring at an even deeper level and make comparisons with other traditional approaches to strengthen the claims made in this paper.

The results clearly indicate that more is better in the case of homework assignments as the students assigned to Mastery Mode learned significantly more than students in Non-Mastery

Mode. Yes, it is true they spent more time to do the homework, but that is an implication of holding learning constant. Although, the results were very impressive, it is suggested for future works to further investigate Mastery Learning in other contexts.

Acknowledgements

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Appendix A: Problem sets for Experiment 1

Experiment 1 Test

Set A

91318 a

A laboratory has a 160-gram sample of a radioactive material. The half-life of the material is 25 days. (This means that it takes 25 days for half of the initial mass to decay.) The formula below can be used to find m, the remaining mass in grams, in terms of t, the number of 25 day intervals the mass has been decaying.

$m = 160(0.5)^t$

Based on the formula, what is the mass of the laboratory's sample remaining after 75 days?

15661 a

The following formula can be used to calculate the monthly payment, M, on a loan:

$$M = \frac{P(rt + 1)}{(12t)}$$

where P is the principal, r is the annual rate, and t is the length of the loan in years.

Based on this formula, what is the montly payment on a 5-year loan for $1500 at an annual rate of 5%?

12931 a

Haynes High School chartered buses for 25 students to go on a field trip. Valley High School chartered buses for 30 students.

- The total cost of the buses was the same for the two schools.

- Students from Valley High School paid $4 less than students from Haynes High School.

What was the cost per student for Haynes High School?

14254 a

Both of the rental car companies Sam can use on his business trips charge a fixed daily fee, plus an additional charge for each mile the car is driven. The two companies' charges are shown in the cart below.

Rental Car Charges

Company	Fixed Daily Fee	Charge Per Mile
Paragon	$22	$0.25
Atlas	$20	$0.30

On a one-day rental, for what number of miles driven would Sam be charged the same total amount by either of the two companies?

70255 a

Mr. Smith plans to build a fence along the back of his property. At a home improvement store, he saw the table below listing the least number of fence posts he will need for different fence lengths. According to the linear pattern in the table, what is the least number of fence posts Mr. Smith will need to build a fence that is 58 feet long?

Fence Length	Least number of fence posts needed
30	7
40	12
50	17

60	22

73671 a

What is the y-intercept of the line represented by the equation below?

3x + 8y = -24

15839 a

Write an equation of the line with slope -3 that passes through the point (-2, 5).

Write your equation in the form y = _____

13894 a

Solve the following equation for x.

4x - (3x + 4) = x - 9

25793 a

The stem-and-leaf plot below shows the prices, rounded to the nearest dollar, of 20 sweaters sold in the women's department at a store.

Sweater Prices
(in dollars)

2	0 0 1 2 2 9
3	2 2 2 4 5
4	0 7 8 8
5	1 1 4 6 7

Key
2 │ 3 represents 23

What percent of the sweater prices are less than 33 dollars?

64289 a

Julia surveyed her friends to see which of Shakespeare's plays they had read during the school year. Her results are shown in the Venn diagram below:
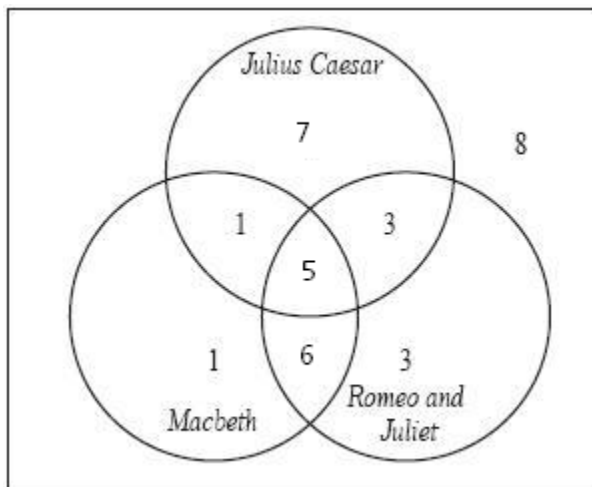
How many of Sarah's friends read Macbeth but not Julius Caesar?

23344 a

John created a line plot to display data on the shoe sizes of her classmates.

Based on the data given in the line plot, what is the median shoe size of John's classmates?
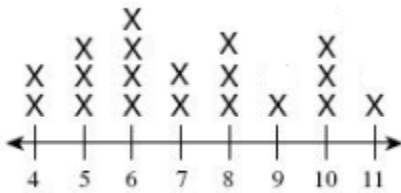
27590 a

Patricia plans to ride her bicycle a mean of 40 miles per week. During the last five weeks she has

recorded distances of 60, 35, 32, 45 and 52 miles.

How many miles must Patricia ride this week to obtain a 6-week mean of 45 miles?

62836 a

The box-and-whisker plot shown below represents the approximate length (in centimeters) of

fish caught by a certain fisherman.

Length in Centimeters
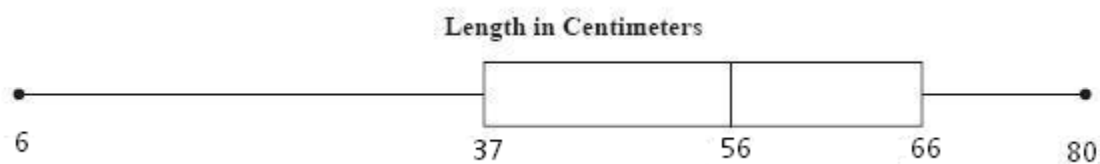
What is the range of the data?

15142 a

Samantha usually drives the 900 miles from Boston, Massachusetts to Pittsburgh, Pennsylvania

in 18 hours. If she increases her average speed by 10 miles per hour, how much time will the trip

take?

82438 a

A jet airplane travels 1575 miles in 3.5 hours. At this rate, how far will it travel in 5 hours?

91834 a

Find the measure of angle DEG.
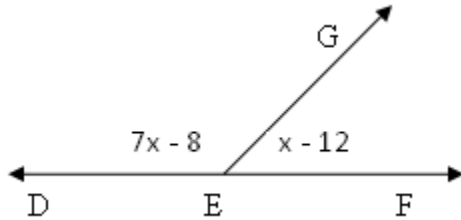
62655 a

Terry plans to spend about $150 at the hardware store. The items he will buy are listed below:

2 boards priced at $10.95 each,

15 feet of piping priced at $2.00 per foot,

3 sheets of aluminum roofing priced at $7.95 per sheet, and

as many quarts of paint as possible priced at $4.25 per quart.

If Terry wants to keep the before-tax total less than $150, what is the greatest number of quarts

of paint he can buy?

64470 a

The lengths of three sides of a triangle are in the ratio of 3:4:5 and the perimeter of the triangle is

 36 inches.

What is the length of the longest side of the triangle.

12969 a

The figure below shows a house with an attic, represented by triangle ABC with AC=BC. The distance from A to B is 48 feet. The slope (commonly referred to as the pitch) of the roof is 5/6. How many feet tall is the height, h, of the attic?
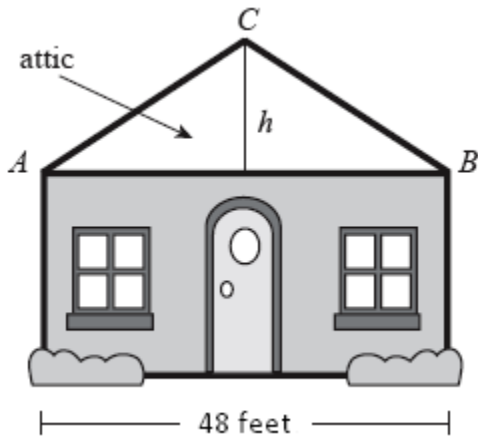
75010 a

The chart below separates the number of students majoring in math/science from students pursuing other majors at a state college:

	Freshmen	Sophomores	Juniors	Seniors
Math/Science Majors	300	203	175	72
Other Majors	1290	1510	750	500

What percent of math/science majors are freshmen?

91818 a

The can of corn shown below is a right circular cylinder with a height of 9 cm.

The volume of the can is 426 centimeters.

What is the approximate radius of the can of corn in centimeters?

Round your answer to the nearest tenth and use 3.14 for Pi.
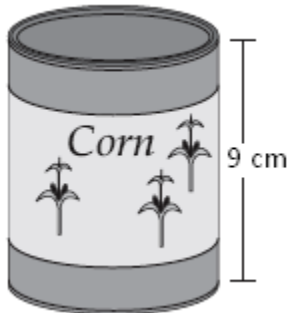
63586 a

The figure below shows the dimensions of the floor of a room that Jack wants to carpet in his basement. What is the area of the floor?
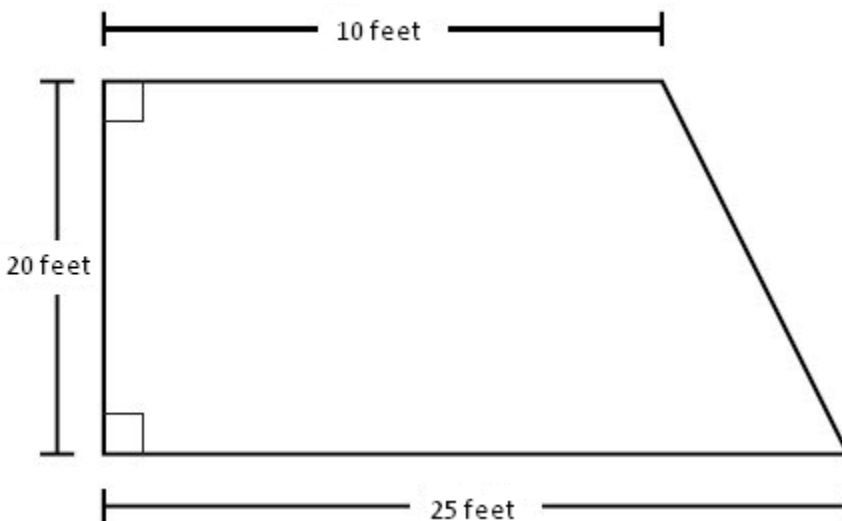
(Picture is not to scale)

14039 a

In the figure below, $\overline{AB}$ is parallel to $\overline{DE}$, and $\overline{AE}$ intersects $\overline{BD}$ at point C.
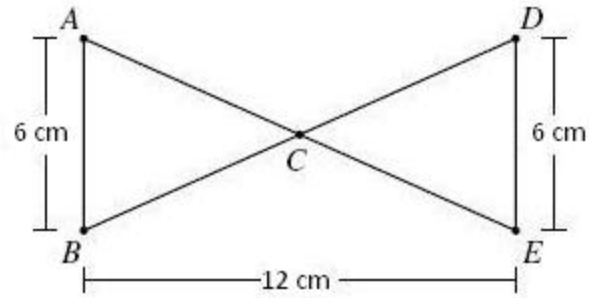
What is the sum, in square centimeters, of the area of triangle ABC and triangle EDC?

57374 a

A kite has perpendicular diagonals with the measures shown in the drawing below.

What is the perimeter, in inches of the kite?
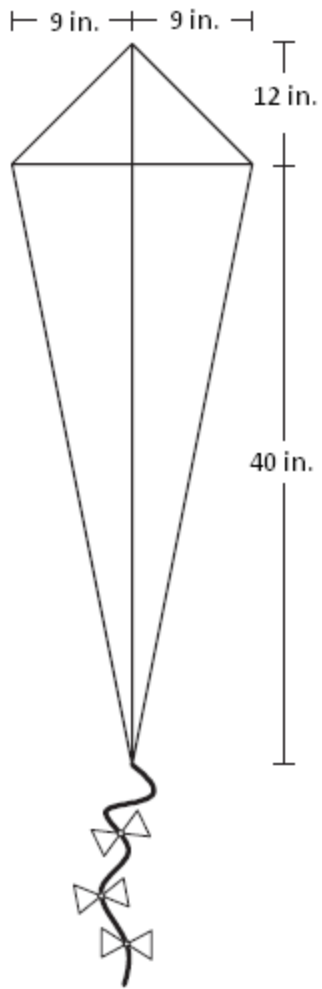
13688 a

Jeffrey wants to build a ramp to make it easier to load his lawn mower into the back of his truck.

He drew the diagram below to help him design the ramp. What is t, the length in feet of the

ramp?

Jeffrey's Ramp Design

$4\frac{1}{2}$ feet

t feet

30°
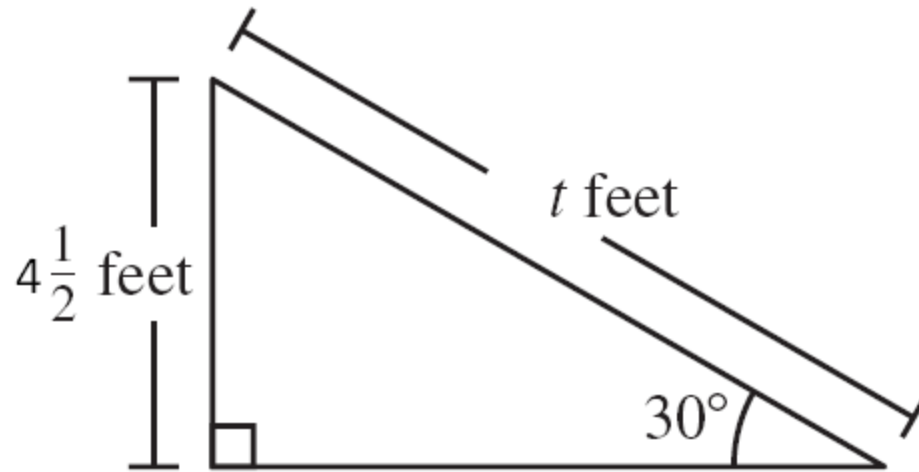
22700 a

In the circle shown above, AD, BE, and CF are diameters.

What is the value, in degrees, of x?

B

A

36°

C

50°

$x°$

F

D

E
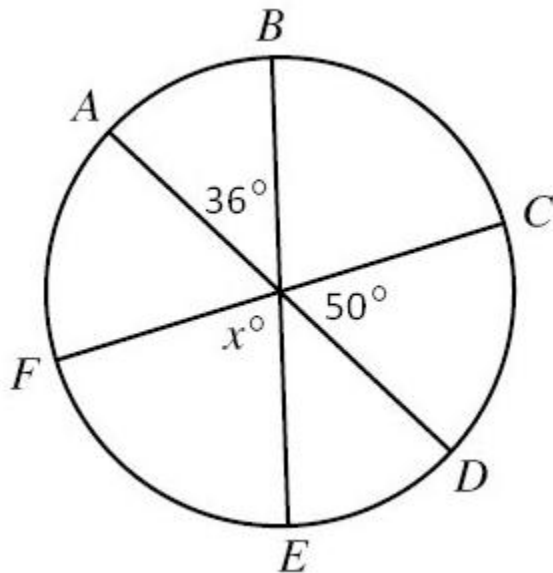
(Picture not to scale)

91833 a

If line 1 is parallel to line 2, and angle 1 = 45, angle 2 = 60, what is the measure of angle 6?
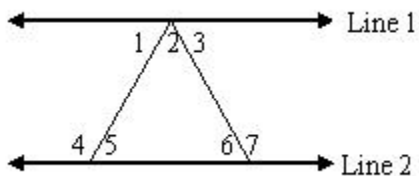
(Picture not to scale)

1301 a

What is the area of the shaded part of this figure? Assume Pi = 3.14.

18 inches

18 inches
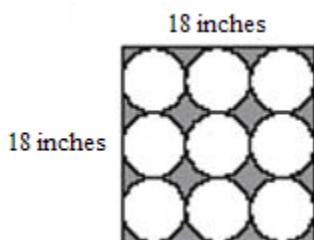
Experiment 1 Test

Set B

91318 b

A laboratory has a 30-gram sample of radioactive material. The half-life of the material is 70 days. (This means that it takes 70 days for half of the initial mass to decay.) The formula below can be used to find m, the remaining mass in grams, in terms of t, the number of 70 day intervals the mass has been decaying.

$m = 30(0.5)^t$

Based on the formula, what is the mass of the laboratory's sample remaining after 140 days?

15661 b

The following formula can be used to calculate the monthly payment, M, on a loan:

$$M = \frac{P(rt + 1)}{(12t)}$$

where P is the principal, r is the annual rate, and t is the length of the loan in years.

Based on this formula, what is the montly payment on a 3-year loan for $1080 at an annual rate of 9%?

12931 b

Haynes High School chartered buses for 125 students to go on a field trip. Valley High School chartered buses for 100 students.

- The total cost of the buses was the same for the two schools.

- Students from Haynes High School paid $2 less than students from Valley High School.

What was the cost per student for Haynes High School?

14524 b

Both of the rental car companies Joe can use on his business trips charge a fixed daily fee, plux an additional charge for each mile the car is driven. The two companies' charges are shown in the chart below.

Rental Car Charges:

Company	Fixed Daily Fee	Charge Per Mile
Paragon	$50	$0.63
Atlas	$39	$0.74

On a one-day rental, for what number of miles driven would Joe be charged the same total

amount by either of the two companies?

70255 b

Sam plans to build a fence along the back of his property. At a home improvement store, he saw

the table below listing the least number of fence posts he will need for different fence lengths.

According to the linear pattern in the table, what is the least number of fence posts Sam will need

to build a fence that is 140 feet long?

Fence Length	Least number of fence posts needed
100	11
130	17
160	23
190	29

73671 b

What is the y-intercept of the line represented by the equation below?

5x - 3y = 45

15839 b

Write an equation of the line with slope -2 that passes through the point (-3, 1).

Write your equation in the form y = _____

81250 b

Solve the following equation for x.

x - (5 - 2x) = 10 - 2x

25793 b

The stem-and-leaf plot below shows the prices, rounded to the nearest dollar, of 18 sweaters sold in the woman's department at a store.

Sweater Prices (in dollars)

2	0 0 1
3	2 2 2 4 5
4	0 7 8
5	1 1 4 6 7
6	0 5

Key
2 │ 3 represents 23
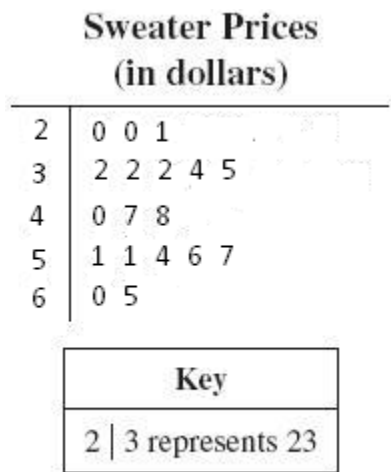
What percent of the sweater prices are less than 45 dollars?

64289 b

Sam surveyed his friends to see which of Shakespeare's plays they had read during the school year. His results are shown in the Venn diagram below:
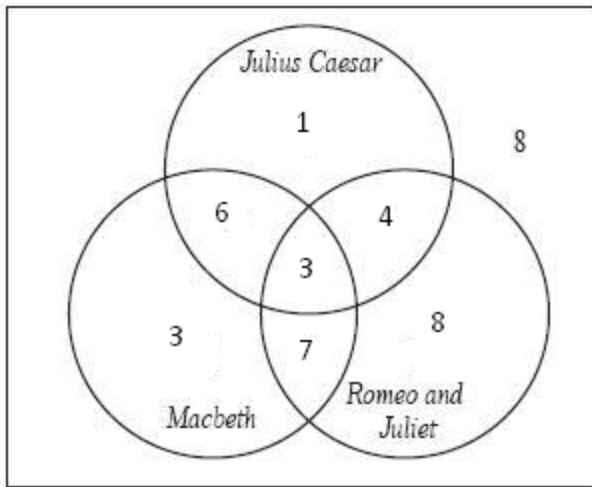
How many of Sam's friends read Romeo and Juliet but not Macbeth?

23344 b

Joe created a line plot to display data on the shoe sizes of her classmates.

Based on the data given in the line plot, what is the median shoe size of Joe's classmates?

Shoe Sizes of Classmates
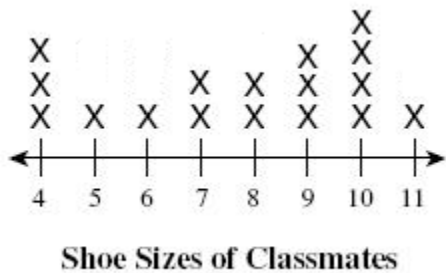
27590 b

William plans to ride his bicycle a mean of 70 miles per week. During the last four weeks he has

recorded distances of 70, 66, 50 and 58 miles.

How many miles must William ride this week to obtain a 5-week mean of 60 miles?

62836 b

The box-and-whisker plot shown below represents the approximate length (in centimeters) of fish caught by a certain fisherman.

Length in Centimeters

14   57   70   84   107
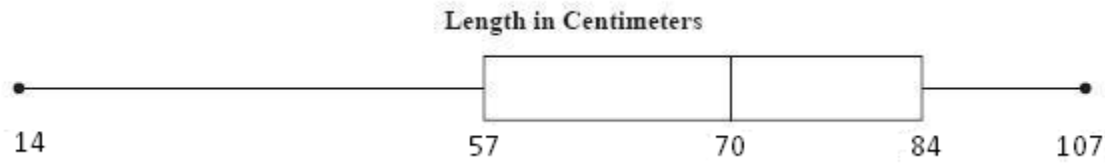
What is the range of the data?

15142 b

Linda usually drives the 720 miles from Boston, Massachusetts to Pittsburgh, Pennsylvania in 18 hours. If she increases her average speed by 20 miles per hour, how much time will the trip take?

82438 b

A jet airplane travels 1125 miles in 2.5 hours. At this rate, how far will it travel in 4 hours?

91834 b

Find the measure of angle DEG.

G

5x - 20   x + 32

D   E   F
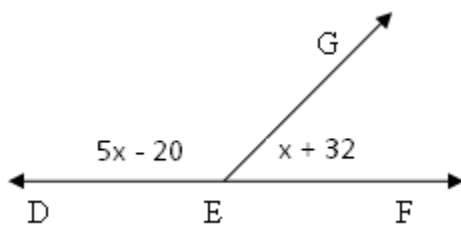
62655 b

John plans to spend about $90 at the hardware store. The items he will buy are listed below.

3 boards priced at $8.99 each,

15 feet of piping priced at $1.98 per foot,

1 sheets of aluminium roofing priced at $7.25 per sheet, and

as many quarts of paint as possible priced at $5.75 per quart.

If Terry wants to keep the before-tax total less than $90, what is the greatest number of quarts of paint he can buy?

64470 b

The lengths of three sides of a triangle are in the ratio of 3:4:5 and the perimeter of the triangle is 60 inches.

What is the length of the longest side of the triangle.

12969 b

The figure below shows a house with an attic, represented by triangle ABC with AC=BC. The distance from A to B is 72 feet. The slope (commonly referred to as the pitch) of the root is 3/4. How many feet tall is the height, h, of the attic?
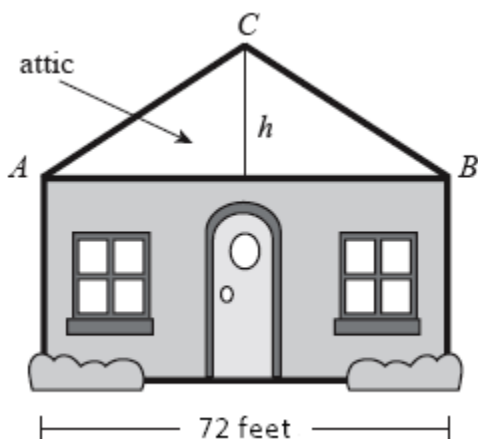
75010 b

The cart below separates the number of students majoring in math/science from students

pursuing other maojrs at a state college:

	Freshmen	Sophomores	Juniors	Seniors
Math/Science Majors	140	160	226	274
Other Majors	1400	1520	1705	1800

What percent of math/science majors are sophomores?

91818 b

The can of corn shown below is a right circular cylinder with a height of 12 cm.

The volume of the can in 531 centimeters.

What is the approximate radius of the can of corn in centimeters?

Round your answer to the nearest tenth and use 3.14 for Pi.
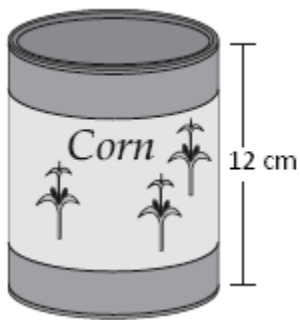
63586 b

The figure below shows the dimensions of the floor of a room that Paul wants to carpet in his basement. What is the area of the floor?
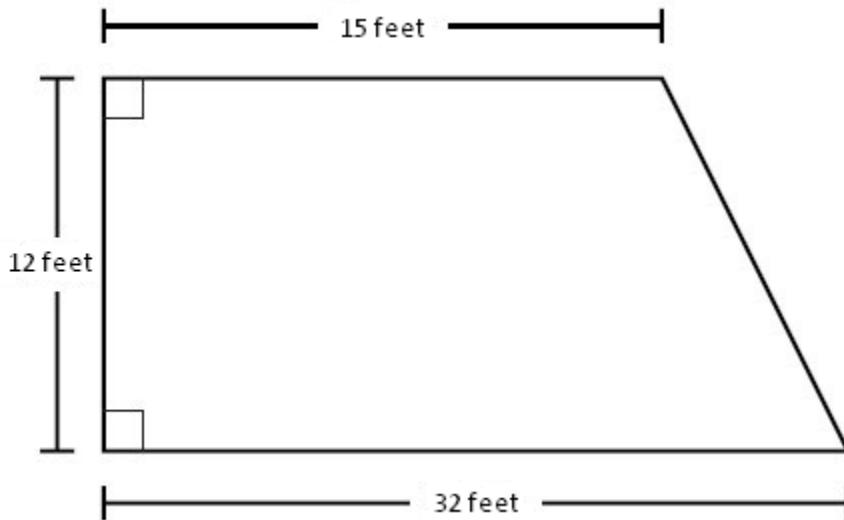
(Picture is not to scale)

14039 b

In the figure below, $\overline{AB}$ is parallel to $\overline{DE}$, and $\overline{AE}$ intersects $\overline{BD}$ at point C.
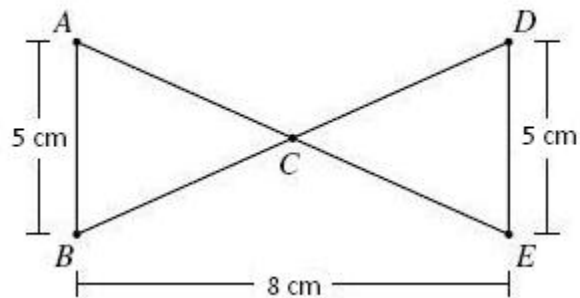
What is the sum, in square centimeters, of the area of triangle ABC and triangle EDC?

57374 b

A kite has perpendicular diagonals with the measures shown in the drawing below.

What is the perimeter, in inches of the kite?
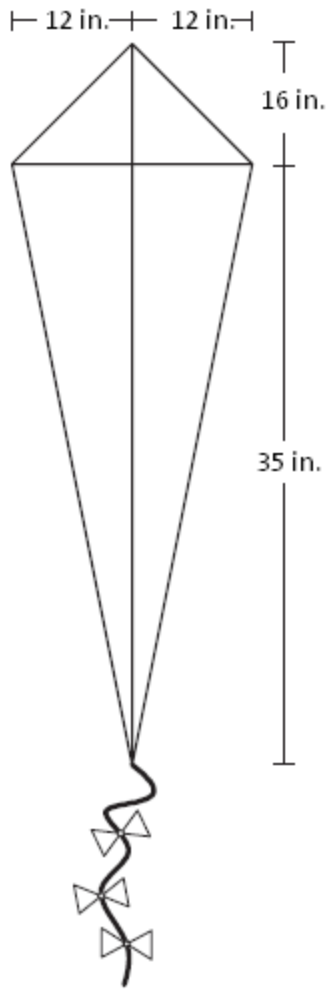
13688 b

Jeffrey wants to build a ramp to make it easier to load his lawn mower into the back of his truck.
He drew the diagram below to help him design the ramp. What is t, the length in feet of the
ramp?

Jeffrey's Ramp Design

3.5 feet

t feet

30°
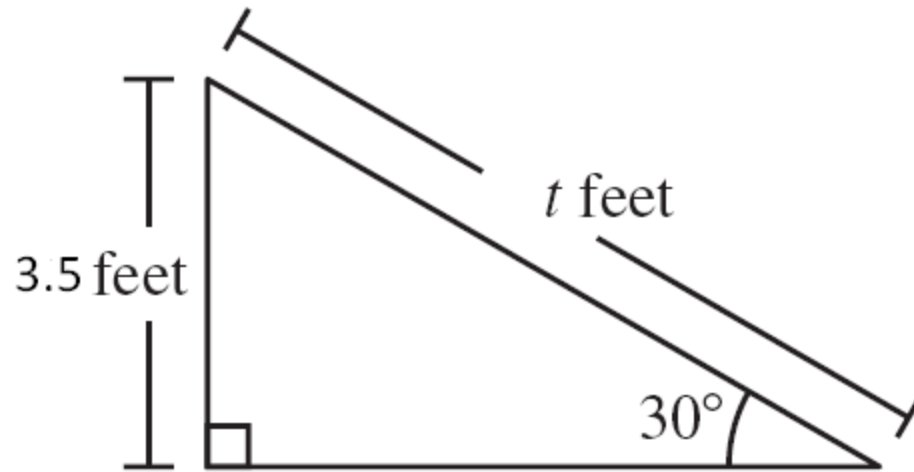
22700 b

In the circle shown above, AD, BE, and CF are diameters.

What is the value, in degrees, of x?

B

A

58°

C

70°

x°

F

D

E
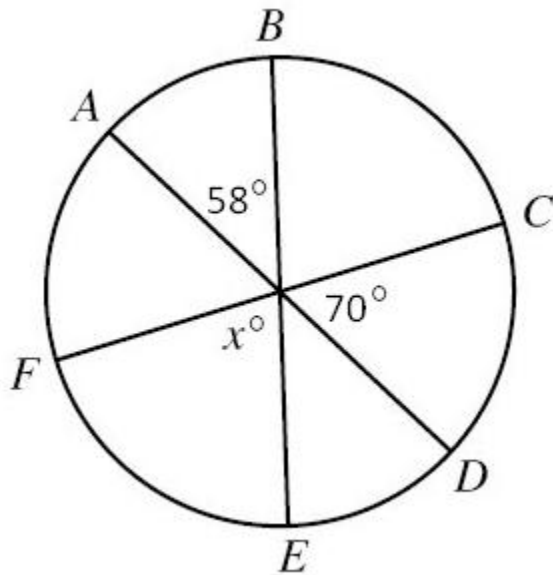
(Picture not to scale)

91833 b

If line 1 is parallel to line 2, and angle 1 = 42, angle 2 = 53, what is the measure of angle

6?
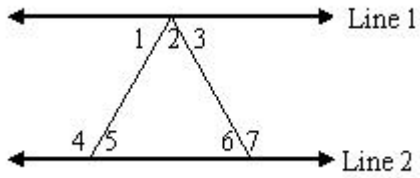
(Picture not to scale)

1301 b

What is the area of the shaded part of this figure? Assume Pi = 3.14.
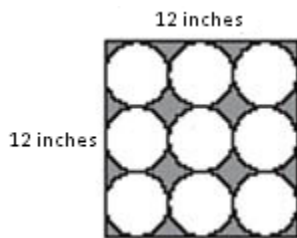
Experiment 1 Homework

Problem Set "Day 2 Practice Set. Oak Middle School v2" id:[10794]

 1) Assistment #91834 "91834 - Review Set 10-7(Supplementary_Algebra)"
  Find the measure of angle DEG.

$18x - 9$ $4x + 13$

D   E   F

G

---
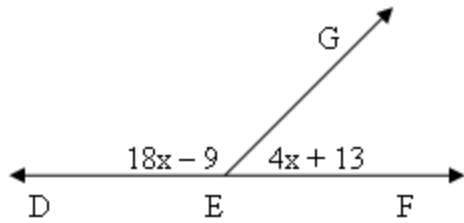
2) Assistment #64470 "64470 - 1998.20.10.geo.s"

The lengths of three sides of a triangle are in the ratio of 3:4:5 and the perimeter of the triangle is 48 inches.

What is the length of the **longest** side of the triangle.

---

3) Assistment #12969 "12969 - 2002_3_gr10_scaffold"

The figure below shows a house with an attic, represented by triangle ABC with AC=BC.
The distance from A to B is 42 feet. The slope (commonly referred to as the pitch) of the roof is 2/3.
How many feet tall is the height, h, of the attic?

---
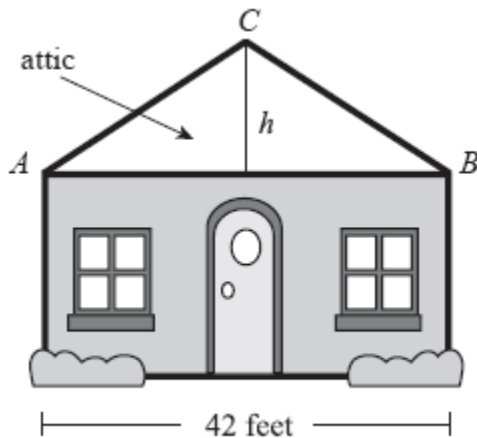
4) Assistment #75010 "75010 - 05_March_37_10(non-multiple choice)"

The chart below separates the number of students majoring in math/science from students pursuing other majors at a state college:

Students' Majors by Class

	Freshmen	Sophomores	Juniors	Seniors
Math/Science Majors	260	310	200	330
Other Majors	1390	1510	1450	1550

What percent of math/science majors are seniors?

---

5) Assistment #91818 "91818 - 2002_33_gr10_scaffold (2006/09/17 20:46:37)"

The can of corn shown below is a right circular cylinder with a height of 11 cm.
The volume of the can is 486 cubic centimeters.
What is the approximate radius of the can of corn in centimeters?

Round your answer to the nearest tenth and use 3.14 for pi.
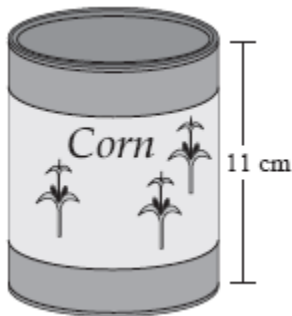
<!-- /* Style Definitions */ p.MsoNormal, li.MsoNormal, div.MsoNormal {mso-style-parent:""; margin:0in; margin-bottom:.0001pt; mso-pagination:widow-orphan; background:#FEFEFE; mso-shading:windowtext; mso-pattern:solid white; font-size:12.0pt; font-family:"Times New Roman"; mso-fareast-font-family:"Times New Roman"; mso-bidi-font-family:"Times New Roman"; color:black; background:#FEFEFE; mso-shading:windowtext; mso-pattern:solid white; mso-ansi-language:RU; mso-fareast-language:RU;} p.Img, li.Img, div.Img {mso-style-name:Img; margin:0in; margin-bottom:.0001pt; mso-pagination:widow-orphan; background:#FEFEFE; mso-shading:windowtext; mso-pattern:solid white; font-size:12.0pt; font-family:"Times New Roman"; mso-fareast-font-family:"Times New Roman"; mso-bidi-font-family:"Times New Roman"; color:black; background:#FEFEFE; mso-shading:windowtext; mso-pattern:solid white; mso-ansi-language:RU; mso-fareast-language:RU;} @page Section1 {size:8.5in 11.0in; margin:1.0in 1.25in 1.0in 1.25in; mso-header-margin:.5in; mso-footer-margin:.5in; mso-paper-source:0;} div.Section1 {page:Section1;} -->

V of a cylinder = $\pi r^2 h$

---

6) Assistment #63586 "63586 - 2006Nov_30_gr10_calc"

The figure above shows the dimensions of the floor of a room that Enrico wants to carpet in his basement.

What is the area of the floor?

15 ft.

10 ft.

20 ft.
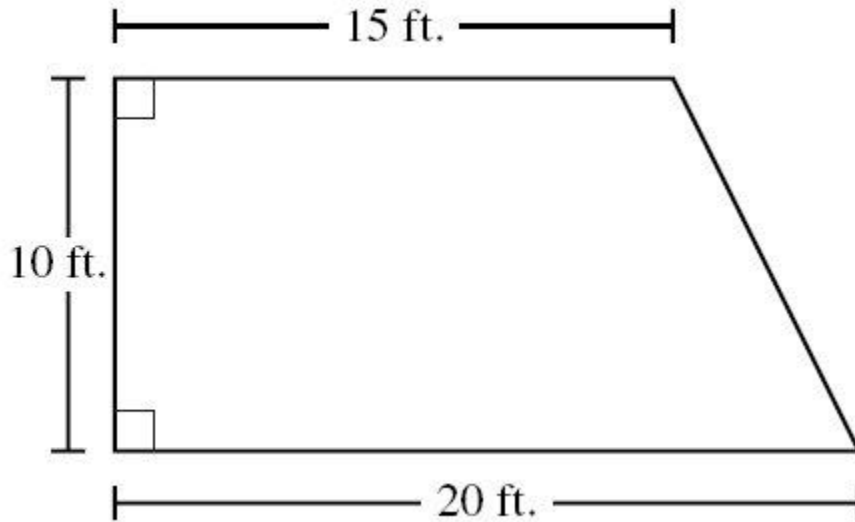
(Picture is not to scale)

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7) Assistment #14039 "14039 - march2006-19CT"

In the figure below, $\overline{AB}$ is parallel to $\overline{DE}$, and $\overline{AE}$ intersects $\overline{BD}$ at point C.

A

D

4 cm

4 cm

C

B

E

9 cm
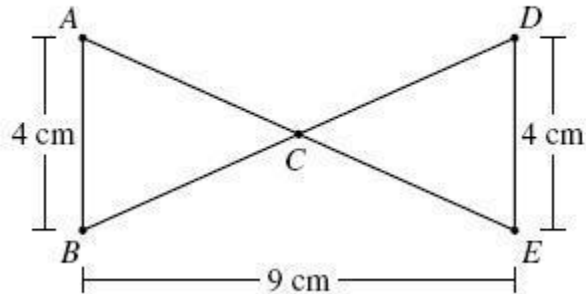
What is the sum, in square centimeters, of the area of triangle ABC and triangle EDC?

---

8) Assistment #57374 "57374 - Spring_2005_32_10(non-multiple choice)"
A kite has perpendicular diagonals with the measures shown in the drawing below.

What is the perimeter, in inches of the kite?

---
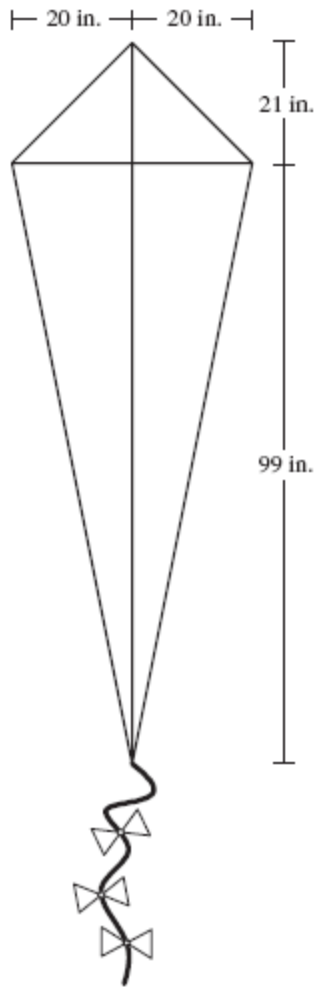
9) Assistment #1301 "1301 - 1999 - 38a (Scaffolding)"

What is the area of the shaded part of this figure? Assume $\pi = 3.14$.

---
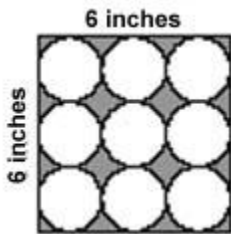
10) Assistment #91833 "91833 - Review Set 3-4(Angle_relationships)"

If line 1 is parallel to line 2, and angle 1 = 57, angle 2 = 54,
what is the measure of angle 6?

Line 1

1 / 2 \ 3

4 / 5   6 \ 7

Line 2
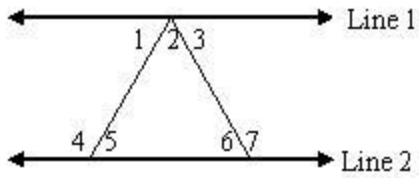
(Picture not to scale)

Appendix B: Problem Sets for Experiment 2A

Experiment 2A

Problem Set "Looking for Pythagoras Investigation 1 (10 questions)" id:[9540]

 1) Assistment #34879 "34879 - Looking for Pythagoras Investigation 1 #1-Morph1"

The position of two houses (A and B) are shown on a coordinate plane below. If you were able to walk between the location of house A and house B in a direct line, what would be the halfway point (or midpoint) of the houses?

○   (1, 3)

○   (2, 1)

○ (3, -1)

○ (1, 2)

---
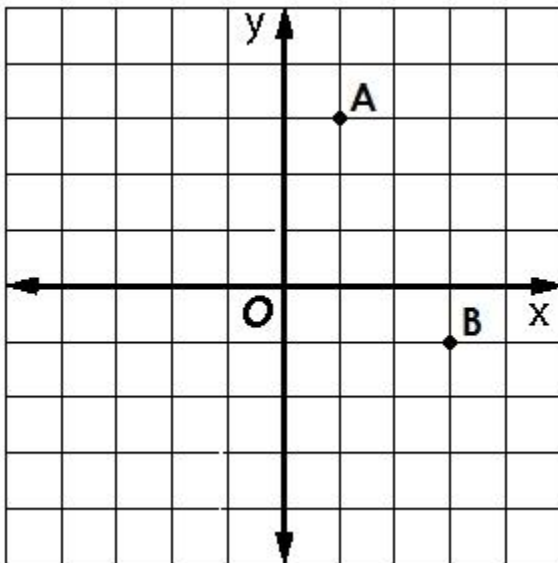
2) Assistment #36383 "36383 - Looking for Pythagoras Investigation 1 #2-Morph1"

If you draw a line from R to M, as shown below, which statement is true about the distance **d**? Assume a unit is the length of the side of a square on the grid.
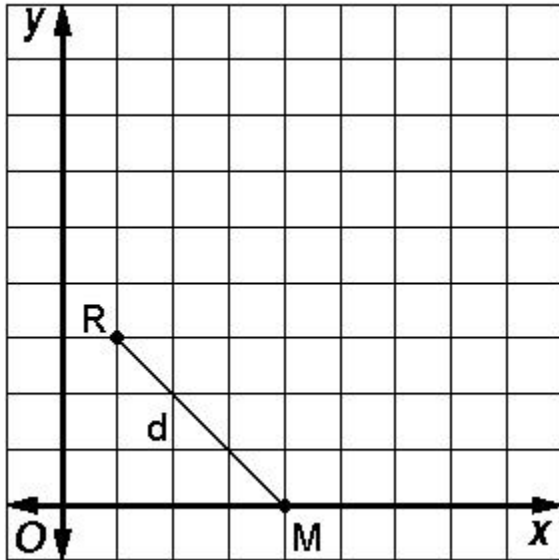
○ A. d = 3 units

○ B. d < 3 units

○ C. d > 3 units

---

3) Assistment #36385 "36385 - Looking for Pythagoras Investigation 1 #3-Morph1"

Suppose you want to place two points C and D on the graph in order to create a rectangular parallelogram ABCD. Which of the following locations for point C and point D would create a rectangular parallelogram?
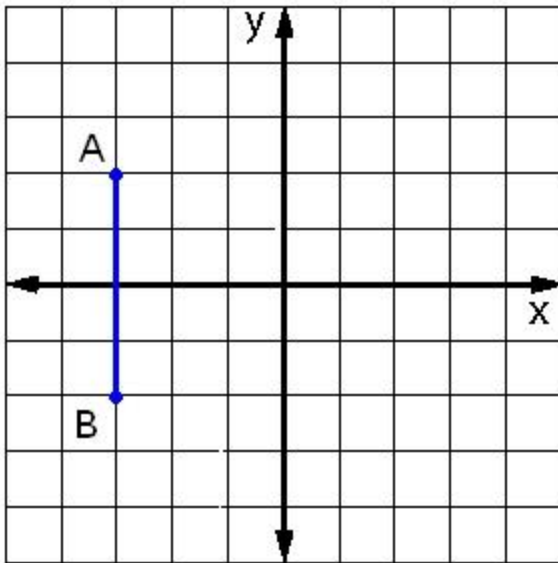
○ A) C(-1,3); D(-1,-1)

○ B) C(0,3); D(0,-2)

○ C) C(1,2); D(1,-2)

---

4) Assistment #36387 "36387 - Looking for Pythagoras Investigation 1 #4-Morph1"

What is the area of the triangle shown below? (*Assume the distance between each dot represents 1 unit. Enter your answer as a whole number without any units or labels*)

---
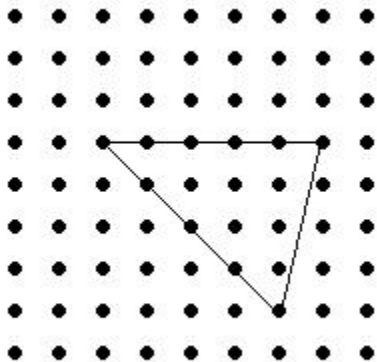
5) Assistment #36389 "36389 - Looking for Pythagoras Investigation 1 #5-Morph1"

Find the area of the figure shown. (*Note: The horizontal and vertical distance between each dot is 1 unit*)

---
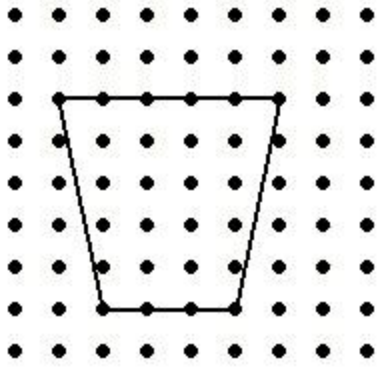
6) Assistment #81704 "81704 - 36389 - Looking for Pythagoras Investigation 1 #5-Morph1"

Find the area of the figure shown. (*Note: The horizontal and vertical distance between each dot is 1 unit*)

---
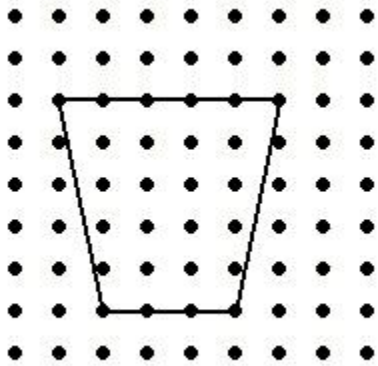
7) Assistment #81700 "81700 - 34879 - Looking for Pythagoras Investigation 1 #1-Morph1"

The position of two houses (A and B) are shown on a coordinate plane below. If you were able to walk between the location of house A and house B in a direct line, what would be the halfway point (or midpoint) of the houses?

- ○ (1, 3)
- ○ (2, 1)
- ○ (3, -1)
- ○ (1, 2)

---
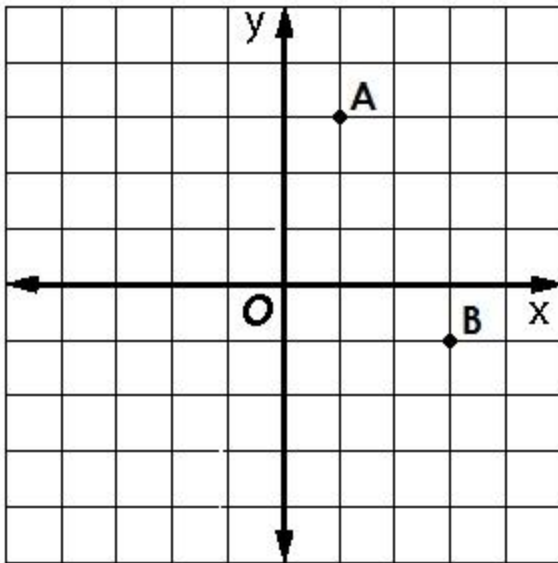
8) Assistment #81703 "81703 - 36387 - Looking for Pythagoras Investigation 1 #4-Morph1"

What is the area of the triangle shown below? (*Assume the distance between each dot represents 1 unit. Enter your answer as a whole number without any units or labels*)

---
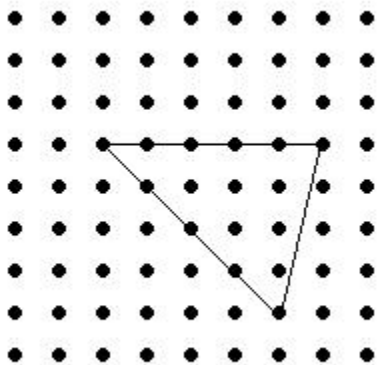
9) Assistment #81701 "81701 - 36383 - Looking for Pythagoras Investigation 1 #2-Morph1"

If you draw a line from R to M, as shown below, which statement is true about the distance **d**? Assume a unit is the length of the side of a square on the grid.
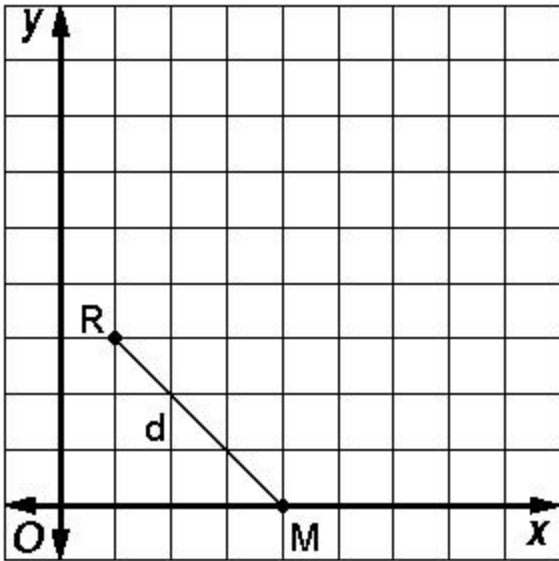
○ A. d = 3 units

○ B. d < 3 units

○ C. d > 3 units

---

10) Assistment #81702 "81702 - 36385 - Looking for Pythagoras Investigation 1 #3-Morph1"

Suppose you want to place two points C and D on the graph in order to create a rectangular parallelogram ABCD. Which of the following locations for point C and point D would create a rectangular parallelogram?
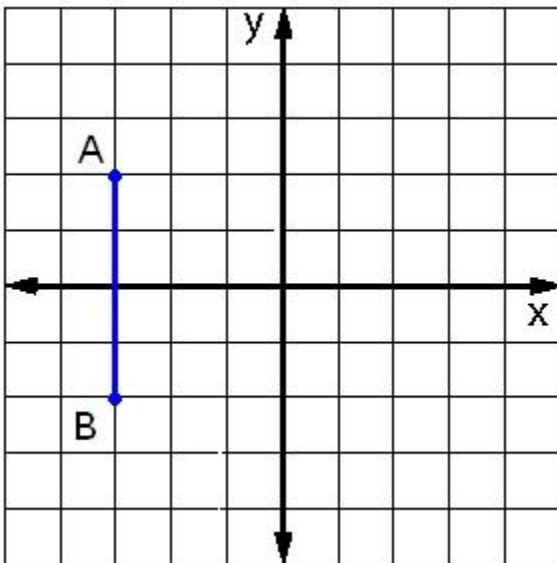
○ A) C(-1,3); D(-1,-1)

○ B) C(0,3); D(0,-2)

○ C) C(1,2); D(1,-2)

11) Assistment #34880 "34880 - Looking for Pythagoras Investigation 1 #1-Morph2"

The position of two houses (A and B) are shown on a coordinate plane below. If you were able to walk between the location of house A and house B in a direct line, what would be the halfway point (or midpoint) of the houses?
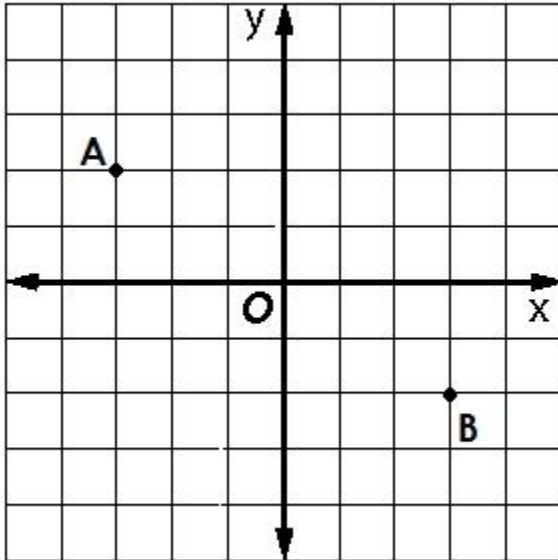
- ○ (-2, 3)
- ○ (1, 0)
- ○ (0, 0)
- ○ (3, -2)

12) Assistment #36384 "36384 - Looking for Pythagoras Investigation 1 #2-Morph2"

If you draw a line from A to G, as shown below, which statement is true about the distance **d**? Assume a unit is the length of the side of a square on the grid.
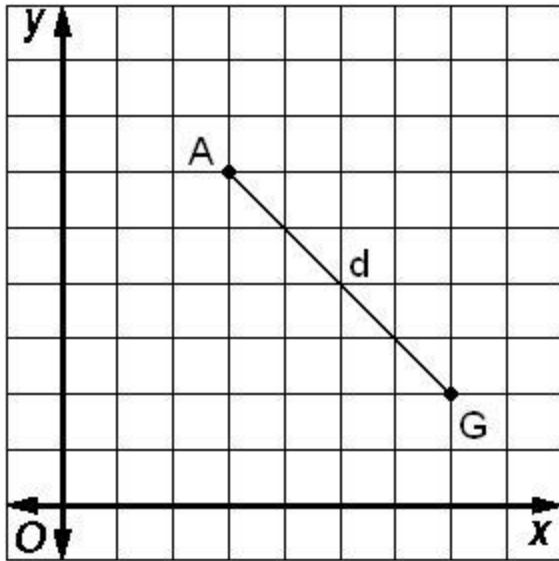
○ A. d > 4 units

○ B. d < 4 units

○ C. d = 4 units

---

13) Assistment #36386 "36386 - Looking for Pythagoras Investigation 1 #3-Morph2"

Suppose you want to place two points C and D on the graph in order to create a *nonrectangular* parallelogram ABCD. Which of the following locations for point C and point D would create a rectangular parallelogram?
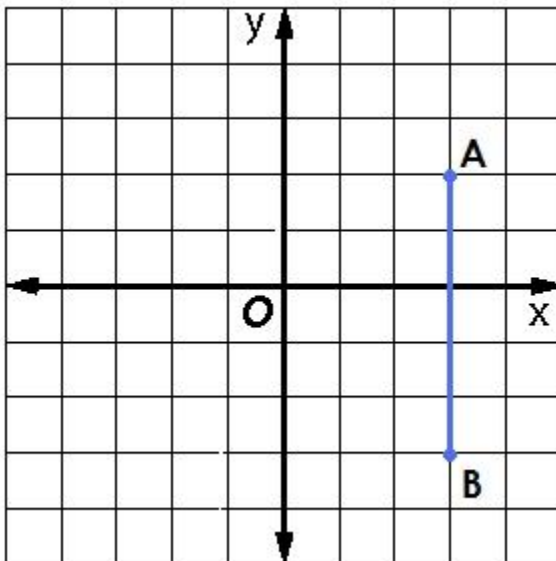
○ A) C(1,-2); D(1,3)

○ B) C(1,-3); D(1,2)

○ C) C(1,-2); D(1,1)

14) Assistment #36388 "36388 - Looking for Pythagoras Investigation 1 #4-Morph2"

What is the area of the triangle shown below? (*Assume the distance between each dot represents 1 unit. Enter your answer as a whole number without any units or labels*)
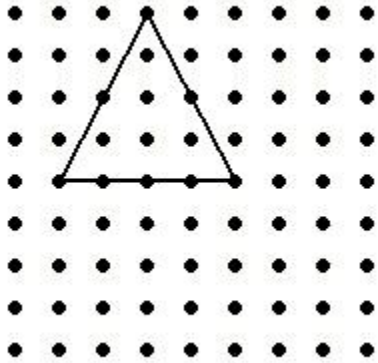
15) Assistment #36392 "36392 - Looking for Pythagoras Investigation 1 #5-Morph2"

Find the area of the figure shown. (*Note: The horizontal and vertical distance between each dot is 1 unit*)
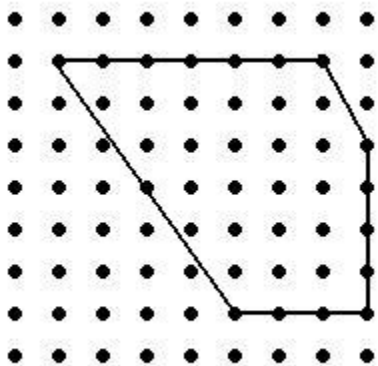
Problem Set "Looking for Pythagoras Investigation 2 (10 questions)" id:[9598]

1) Assistment #36607 "36607 - Looking for Pythagoras Investigation 2 #3-Morph2"

What is the **smallest** whole number **greater** than √27?

2) Assistment #43012 "43012 - Looking for Pythagoras Investigation 2 #4-Morph2"

How long is the line segment AB?

- ⊙ 6
- ⊙ 9
- ⊙ √45
- ⊙ 45

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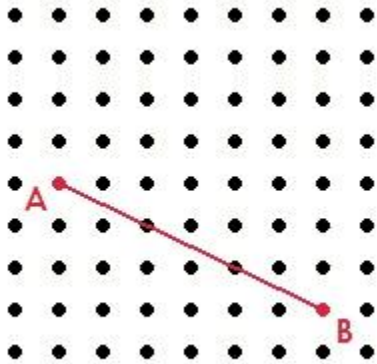
3) Assistment #36654 "36654 - Looking for Pythagoras Investigation 2 #5-Morph2"

Which of the following answer choices shows

the numbers in order from *least to greatest*?

$$\sqrt{37} \quad \sqrt{28} \quad -6 \quad 4.9 \quad 7.2 \quad -\sqrt{33}$$

- ⊙ A. -√33, -6, 4.9, √28, √37, 7.2
- ⊙ B. 7.2, √37, √28, 4.9, -√33, -6
- ⊙ C. -6, -√33, 4.9, √28, √37, 7.2
- ⊙ D. -√33, -6, 4.9, 7.2, √28, √37

---

4) Assistment #43009 "43009 - Looking for Pythagoras Investigation 2 #1-Morph2"

The figure below shows one side of a square, line segment AB. What is the *area* of the square?

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└─────────────┘
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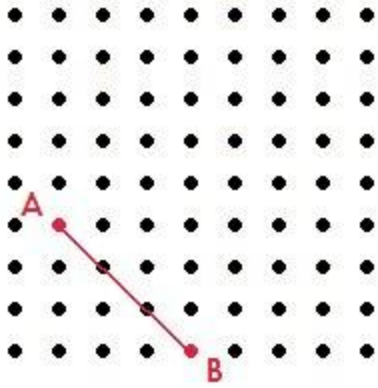
5) Assistment #36605 "36605 - Looking for Pythagoras Investigation 2 #2-Morph2"

What is the largest whole number less than $\sqrt{39}$?

```
┌─────────────┐
│             │
└─────────────┘
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6) Assistment #81705 "81705 - 36654 - Looking for Pythagoras Investigation 2 #5-Morph2"

Which of the following answer choices shows

the numbers in order from *least to greatest*?

$$\sqrt{37} \quad \sqrt{28} \quad -6 \quad 4.9 \quad 7.2 \quad -\sqrt{33}$$

   ○   A. -√33, -6, 4.9, √28, √37, 7.2

   ○   B. 7.2, √37, √28, 4.9, -√33, -6

   ○   C. -6, -√33, 4.9, √28, √37, 7.2

   ○   D. -√33, -6, 4.9, 7.2, √28, √37

---

7) Assistment #81706 "81706 - 43009 - Looking for Pythagoras Investigation 2 #1-Morph2"

The figure below shows one side of a square, line segment AB. What is the *area* of the square?

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[          ]
```

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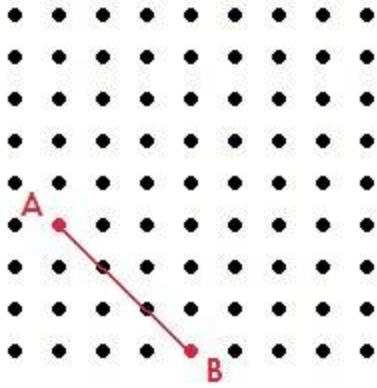
8) Assistment #81707 "81707 - 36607 - Looking for Pythagoras Investigation 2 #3-Morph2"

What is the **smallest** whole number **greater** than √27?

```
[          ]
```

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9) Assistment #81708 "81708 - 43012 - Looking for Pythagoras Investigation 2 #4-Morph2"

How long is the line segment AB?

  ○   6

  ○   9

  ○   √45

  ○   45

---
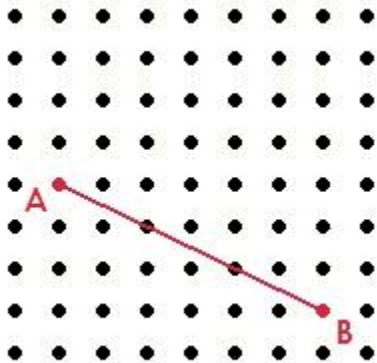
10) Assistment #81709 "81709 - 36605 - Looking for Pythagoras Investigation 2 #2-Morph2"

What is the largest whole number less than √39?

```
[          ]
```

11) Assistment #36606 "36606 - Looking for Pythagoras Investigation 2 #3 - Morph1"

What is the **smallest** whole number **greater** than $\sqrt{72}$?

```
[            ]
```

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12) Assistment #43010 "43010 - Looking for Pythagoras Investigation 2 #4-Morph1"

How long is the line segment AB?

○ 9

○ 4

○ 29

○ $\sqrt{29}$

---
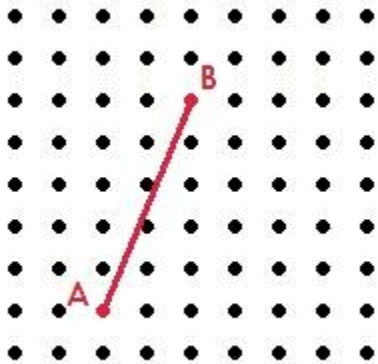
13) Assistment #36747 "36747 - Looking for Pythagoras Investigation 2 #5-Morph1"

Which of the following answer choices shows the numbers in order from least to greatest?

5    $\sqrt{22}$ $-\sqrt{26}$ -8 $\sqrt{24}$ $\sqrt{63}$

○   5, $\sqrt{22}$, $-\sqrt{26}$, -8, $\sqrt{24}$, $\sqrt{63}$

○   -8, $-\sqrt{26}$, $\sqrt{22}$, $\sqrt{24}$, 5, $\sqrt{63}$

○ $-\sqrt{26}$, -8, $\sqrt{22}$, $\sqrt{24}$, 5, $\sqrt{63}$

○   -8, $-\sqrt{26}$, 5, $\sqrt{22}$, $\sqrt{24}$, $\sqrt{63}$

---

14) Assistment #36604 "36604 - Looking for Pythagoras Investigation 2 #2-Morph1"

What is the largest whole number less than $\sqrt{62}$?

```
[            ]
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15) Assistment #43008 "43008 - Looking for Pythagoras Investigation 2 #1-Morph1"

The figure below shows one side of a square, line segment AB. What is the *area* of the square?

_____
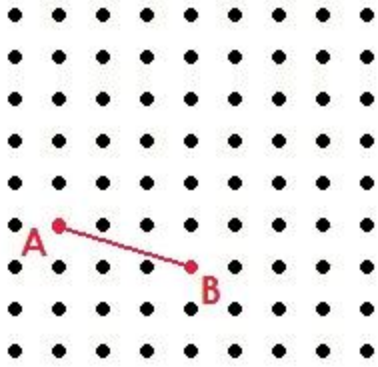
Problem Set "Looking for Pythagoras Investigation 3 (8 questions)" id:[9599]

1) Assistment #42272 "42272 - Looking for Pythagoras Investigation 3 #1 - Morph2"

What is the length of the hypotenuse of the right triangle shown below?

_____

_____
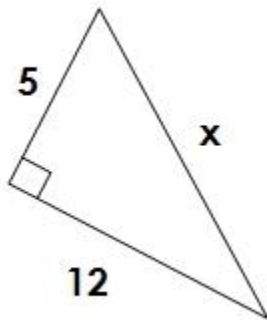
2) Assistment #42907 "42907 - Looking for Pythagoras Investigation 3 #3 - Morph2"

Which set of lengths would make a right triangle?

○ A. 2, 4, 6

○ B. 3, 6, 9

○ C. 5, 12, 13

○ D. 1, 2, 3

_____

3) Assistment #43059 "43059 - Looking for Pythagoras Investigation 3 #2-Morph2"

Which two points have a distance between them of √32?
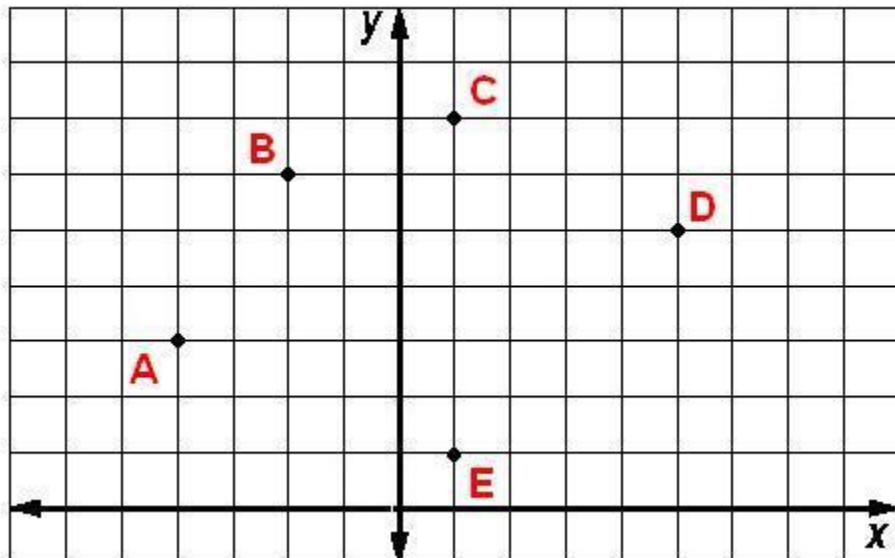
- ○ A and B
- ○ B and C
- ○ C and D
- ○ D and E

---

4) Assistment #42960 "42960 - Looking for Pythagoras Investigation 3 #4-Morph2"

Use the Pythagorean Theorem to find the distance between point A and point B. (Note: The horizontal and vertical distance between each dot is 1 unit)
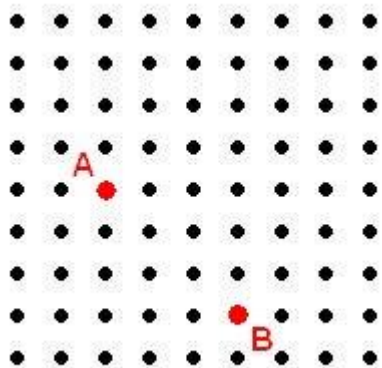
- ○ √18 units
- ○ 4 units
- ○ 6 units
- ○ √12 units

5) Assistment #81712 "81712 - 42272 - Looking for Pythagoras Investigation 3 #1 - Morph2"

 What is the length of the hypotenuse of the right triangle shown below?
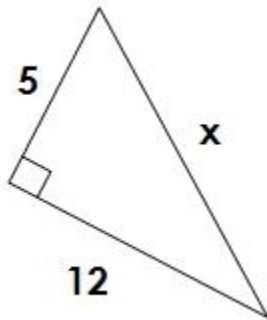
6) Assistment #81713 "81713 - 42907 - Looking for Pythagoras Investigation 3 #3 - Morph2"

 Which set of lengths would make a right triangle?

 ○ A. 2, 4, 6

 ○ B. 3, 6, 9

 ○ C. 5, 12, 13

 ○ D. 1, 2, 3

7) Assistment #81714 "81714 - 43059 - Looking for Pythagoras Investigation 3 #2-Morph2"

 Which two points have a distance between them of √32?
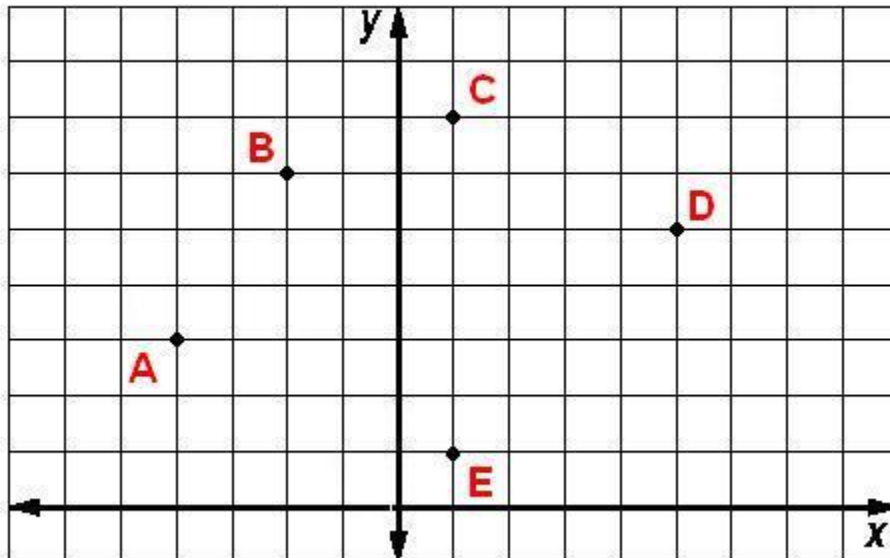
- ○ A and B
- ○ B and C
- ○ C and D
- ○ D and E

---

8) Assistment #81715 "81715 - 42960 - Looking for Pythagoras Investigation 3 #4-Morph2"

Use the Pythagorean Theorem to find the distance between point A and point B. (Note: The horizontal and vertical distance between each dot is 1 unit)
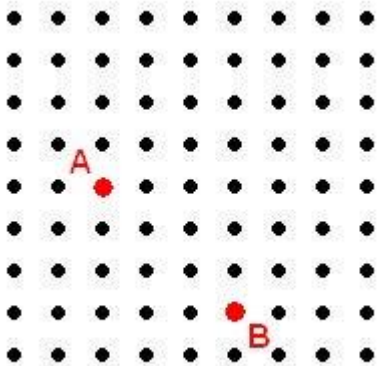
- ○ √18 units
- ○ 4 units
- ○ 6 units
- ○ √12 units

---

9) Assistment #42271 "42271 - Looking for Pythagoras Investigation 3 #1 - Morph1"

What is the length of the hypotenuse of the right triangle shown below?

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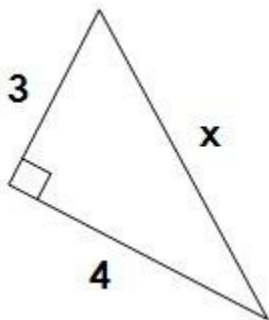
10) Assistment #43013 "43013 - Looking for Pythagoras Investigation 3 #2-Morph1"

Which two points have a distance between them of 5?
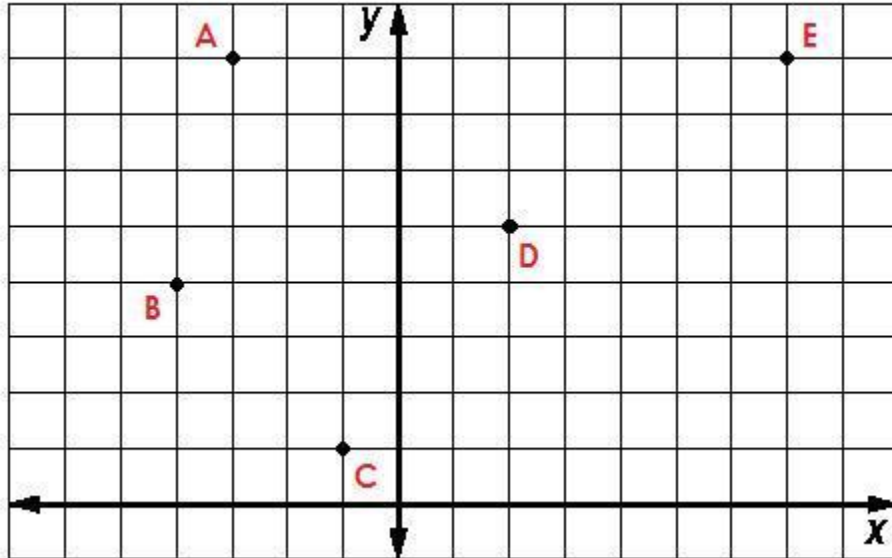
- ○ B and C
- ○ D and E
- ○ C and D
- ○ B and D

---

11) Assistment #42906 "42906 - Looking for Pythagoras Investigation 3 #3 - Morph1"

Which set of lengths would make a right triangle?

- ○ A. 3, 4, 7
- ○ B. 6, 8, 10
- ○ C. 1, 2, 3
- ○ D. 5, √15, 10

---

12) Assistment #42959 "42959 - Looking for Pythagoras Investigation 3 #4-Morph1"

Use the Pythagorean Theorem to find the distance between point A and point B. (Note: the horizontal and vertical distance between each dot is 1 unit)
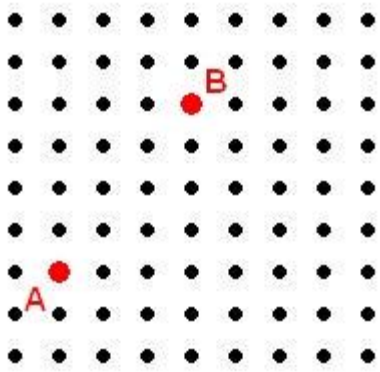
- ○ √7 units
- ○ √5 units
- ○ 5 units
- ○ 3.5 units

Problem Set "Looking for Pythagoras Investigation 4 (4 questions)" id:[9539]

1) Assistment #42962 "42962 - Looking for Pythagoras Investigation 4 #1-Morph2"

A right isoceles triangle has a hypotenuse of 20 feet. What are the lengths of the legs of the triangle?

- ○ √10 feet
- ○ 40 feet
- ○ 5 feet
- ○ √200 feet

2) Assistment #43198 "43198 - Looking for Pythagoras Investigation 4 #2-Morph2"

Mr. Erickson's daily commute (from point A to D) to work is normally 16 miles. Due to an accident he must take an alternative route (A to B to C to D). How far will Mr. Erickson's alternative commute be due to the accident?

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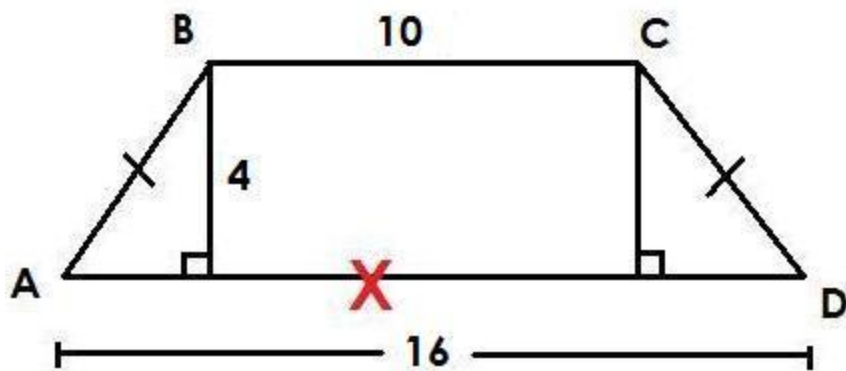
3) Assistment #81716 "81716 - 42962 - Looking for Pythagoras Investigation 4 #1-Morph2"

A right isoceles triangle has a hypotenuse of 20 feet. What are the lengths of the legs of the triangle?

- ○   √10 feet

- ○   40 feet

- ○   5 feet

- ○   √200 feet

---

4) Assistment #81717 "81717 - 43198 - Looking for Pythagoras Investigation 4 #2-Morph2"

Mr. Erickson's daily commute (from point A to D) to work is normally 16 miles. Due to an accident he must take an alternative route (A to B to C to D). How far will Mr. Erickson's alternative commute be due to the accident?

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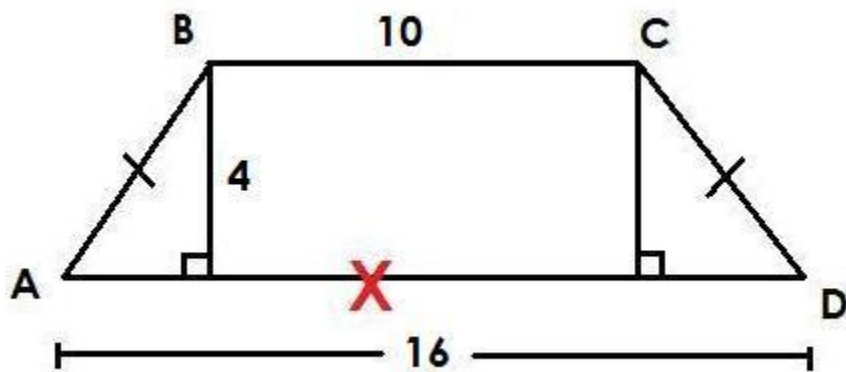
5) Assistment #42961 "42961 - Looking for Pythagoras Investigation 4 #1-Morph1"

A right isoceles triangle has a hypotenuse of 10 feet. What are the lengths of the legs of the triangle?

- ○   √5 feet

○ √50 feet

○ 5 feet

○ 25 feet

---

6) Assistment #43169 "43169 - Looking for Pythagoras Investigation 4 #2-Morph1"

Mr. Erickson's daily commute (from point A to D) to work is normally 25 miles. Due to an accident, indicated by the red X, he must take an alternative route (A to B to C to D). How far will Mr. Erickson's alternative commute be due to the accident?
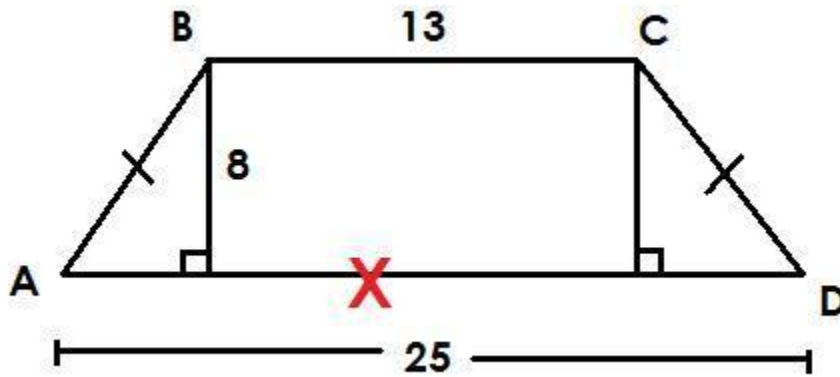
Appendix C: Problem Sets for Experiment 2B

Problem Set "GGG Investigation 1 Review Problem Set" id:[10198]

1) Assistment #84080 "84080 - Growing_1_1"

Type in 1 million. (do not use exponents)

---

2) Assistment #84081 "84081 - Growing_1_3"

Bill wants to help out around the house. He made a proposal to his parents. At 10 years old, he did 1 chore a week. He promised that each year he will double the number of chores he does a week.

If he uses the table below, doubling the number of chores each year, how many chores will he be doing each week when he is 17?

Age	Number of Chores (per week)
10	1
11	
12	

---

3) Assistment #84082 "84082 - Growing_1_4"

Which of the following is the expression 4x4x4x4x4x4 in exponential form?

○   A. 4^5

○   B. 4^6

○   C. 4^7

○   D. 4^4

---

4) Assistment #84075 "84075 - Growing_1_5"

What is the exponent **n** in the equation $3^n = 27$?

---

5) Assistment #84083 "84083 - Growing_1_6"

Which table shows an exponential pattern?

A	x	0	1	2	3	4
	y	5	55	105	155	205

B	x	0	1	2	3	4
	y	3	6	12	24	48

C	x	0	1	2	3	4
	y	4	8	12	24	28

○ A

○ B

○ C

6) Assistment #84078 "84078 - Growing_1_7"

Which table above is **linear**?

A	x	0	1	2	3	4
	y	5	55	105	155	205

B	x	0	1	2	3	4
	y	3	6	12	24	48

C	x	0	1	2	3	4
	y	4	8	12	24	28

○ A

○ B

○ C

7) Assistment #84084 "84084 - Growing_1_8"

What is the equation for the exponential pattern represented by the table?

x	0	1	2	3	4
y	3	6	12	24	48

○   A. 3^n

○   B. $2*3^n$

○   C. $3*2^n$

○   D. 2^n

---

8) Assistment #84085 "84085 - Growing_1_9"

Which of the following is the number 37,200,000 written in scientific notation?

○   A. 37.2×10^5

○   B. 372×10^5

○   C. 3.72×10^8

○   D. 3.72×10^7

---

9) Assistment #85732 "85732 - 30497 - Growing_1_1-Morph2"

Type in five million as a number. (do not use exponents)

---

10) Assistment #85733 "85733 - 30606 - Growing_1_4-Morph2"

What is the value of the exponent **n** in the equation $2^n = 8$?

---

11) Assistment #85734 "85734 - 30611 - Growing_1_6-Moprh2"

Which table below is **linear**?

A	x	0	1	2	3	4
	y	3	6	9	12	15

B	x	1	2	3	4	5
	y	2	4	8	16	32

C	x	0	1	2	3	4
	y	1	3	6	10	15

○   A

○ B

○ C

---

12) Assistment #85735 "85735 - 30609 - Growing_1_5-Morph2"

Which table shows an *exponential* pattern?

A	x	0	1	2	3	4
	y	1	3	9	18	36

B	x	0	1	2	3	4
	y	1	2	3	4	5

C	x	0	1	2	3	4
	y	2	4	8	16	32

○ A

○ B

○ C

---

13) Assistment #85736 "85736 - 30604 - Growing_1_3-Morph2"

Which of the following represents the expression 6x6x6x6x6 written in exponential form?

○ A. 6^5

○ B. 5^6

○ C. 6^6

○ D. 30

---

14) Assistment #85737 "85737 - 30626 - Growing_1_7-Morph2"

What is the equation for the *exponential* pattern represented by the table?

x	0	1	2	3	4
y	5	10	20	40	80

○ A. 2^n

○ B. 5^n

○ C. $4 * 2^n$

○ D. $5 * 2^n$

83

15) Assistment #85738 "85738 - 30686 - Growing_1_8-Morph2"

The approximate distance between the earth and the sun is 93,000,000 miles. Which answer choice below represents this distance written in *scientific notation*?

○   A. 9.3×10^7

○   B. 9.3×10^6

○   C. 9.3×10^{-7}

○   D. 93×10^6

---

16) Assistment #85739 "85739 - 30602 - Growing_1_2-Morph2"

Shelly's new years resolution is to learn to play the piano. Since she is a beginner she plans to start slowly, practicing only 1 hour per week. Each month she will *double the amount of time that she practices per week*.   At this rate, how many hours per week will Shelly be practicing in July?

Month	Hours Per Week
January	1
February	
March	
April	
May	
June	
July	?

---

17) Assistment #30496 "30496 - Growing_1_1-Morph1"

Type in three million as a number. (do not use exponents)

---

18) Assistment #30498 "30498 - Growing_1_3-Morph1"

Randy wants to start a savings account. Since he is only 8 years old he doesn't have much money to start. His plan is to save $5 for his first year of saving. If he continues to *double the amount* that he adds to his savings each year, how much money will he *deposit* into his account when he is 14 years old?

84

AGE	Deposit Amount
8	$5
9	
10	
11	
12	
13	
14	?

[   ]

---

19) Assistment #30603 "30603 - Growing_1_4-Morph2"

Which of the following represents the expression 7x7x7x7 written in exponential form?

○   A. 4^7

○   B. 28

○   C. 7^4

○   D. 7^7

---

20) Assistment #30605 "30605 - Growing_1_5-Morph1"

What is the value of the exponent **n** in the equation $3^n = 81$?

[   ]

---

21) Assistment #30608 "30608 - Growing_1_6-Morph1"

Which table shows an *exponential* pattern?

A	x	0	1	2	3	4
	y	1	2	4	6	12

B	x	0	1	2	3	4
	y	1	3	9	27	81

C	x	0	1	2	3	4
	y	5	10	15	20	25

○   A

○   B

○   C

22) Assistment #30610 "30610 - Growing_1_7-Moprh1"

Which table below is **linear**?

A	x	0	1	2	3	4
	y	1	5	7	5	1

B	x	1	2	3	4	5
	y	1	2	3	4	5

C	x	0	1	2	3	4
	y	2	4	8	16	32

○ A

○ B

○ C

---

23) Assistment #30625 "30625 - Growing_1_8-Morph1"

What is the equation for the *exponential* pattern represented by the table?

x	0	1	2	3	4
y	4	8	16	32	64

○ A. 2^n

○ B. $2*3^n$

○ C. $4*2^n$

○ D. 4^n

---

24) Assistment #30685 "30685 - Growing_1_9-Morph1"

Which of the following represents the number 11,400,000 written in scientific notation?

○ A. 11.4×10^5

○ B. 114×10^7

○ C. 1.14×10^7

○ D. 11.4×10^6

Appendix D: Problems Sets for Experiment 3

Appendix D: Problems Sets for Experiment 3

Problem Set "GGG Investigation 2.1 Book Mastery Homework Honors" id:[10178]

1) Assistment #40942 "40942 - Page 24 # 1a"
Page 24 #1a

Enter what would go in the blank for b = _____

[_____]

---

2) Assistment #85856 "85856 -   ..."
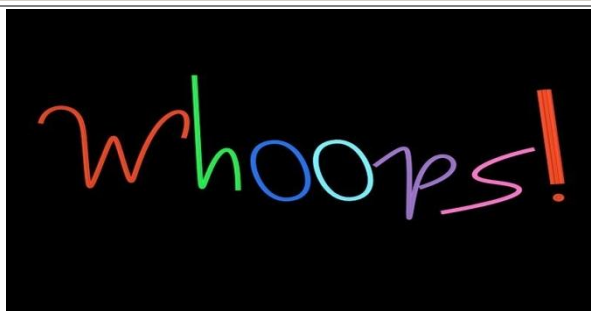
You did not get that last problem correct on your first attempt. Your teacher wants you to now dem
on this topic before you move on to finish your homework. Its very important that you demonstrate
prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in
minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and
teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this n
never complete this homework. This problem set will go on forever. Of course if you have serious tr
talk to your teacher so that you can figure out a way you can get the help you need to learn the mat

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[_____]

---

3) Assistment #86106 "86106 - Last night, John ..."
Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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4) Assistment #86107 "86107 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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5) Assistment #86108 "86108 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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6) Assistment #86109 "86109 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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7) Assistment #86110 "86110 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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8) Assistment #86111 "86111 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

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9) Assistment #86112 "86112 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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10) Assistment #86113 "86113 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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11) Assistment #86114 "86114 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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12) Assistment #86115 "86115 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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13) Assistment #86116 "86116 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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14) Assistment #86117 "86117 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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15) Assistment #86118 "86118 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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16) Assistment #86119 "86119 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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└──────────────┘
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17) Assistment #86120 "86120 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[ ]

18) Assistment #86122 "86122 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

[ ]

19) Assistment #86121 "86121 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

[ ]

20) Assistment #86124 "86124 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[ ]

21) Assistment #86123 "86123 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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22) Assistment #86125 "86125 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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23) Assistment #86127 "86127 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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24) Assistment #86126 "86126 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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25) Assistment #86129 "86129 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

26) Assistment #86128 "86128 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

27) Assistment #86130 "86130 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

28) Assistment #86131 "86131 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

29) Assistment #86132 "86132 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

30) Assistment #86133 "86133 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

☐

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31) Assistment #86134 "86134 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

☐

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32) Assistment #86135 "86135 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

☐

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33) Assistment #86136 "86136 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

☐

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34) Assistment #86137 "86137 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

☐

35) Assistment #86138 "86138 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 7 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

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36) Assistment #86139 "86139 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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37) Assistment #86140 "86140 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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38) Assistment #86141 "86141 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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39) Assistment #86143 "86143 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[   ]

---

40) Assistment #86145 "86145 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[   ]

---

41) Assistment #86146 "86146 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[   ]

---

42) Assistment #86147 "86147 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 7 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

[   ]

---

43) Assistment #86142 "86142 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[   ]

44) Assistment #86144 "86144 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[_____]

45) Assistment #86148 "86148 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

[_____]

46) Assistment #86150 "86150 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

[_____]

47) Assistment #86151 "86151 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

[_____]

48) Assistment #86149 "86149 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore dropped on it. The spore starts multiplying by a factor of 8 every day.

What would be the equation that describes the number of spores m in the new colony after n days?

Write your answer in the form m = _____

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49) Assistment #86153 "86153 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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50) Assistment #86152 "86152 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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└──────────┘
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51) Assistment #86154 "86154 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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52) Assistment #86155 "86155 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony after n hours?

Write your answer in the form m = _____

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53) Assistment #84634 "84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○   Okay

---

54) Assistment #40946 "40946 - Page 24 # 1b"

Page 24 #1b

[ ]

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55) Assistment #84686 "84686 -   ..."

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold

99

spore lands on it. The mold spores starts multiplying by a factor of 8 every hour.
If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the slice after 8 hours?

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56) Assistment #84685 "84685 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every hour.
If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the slice after 9 hours?

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57) Assistment #84689 "84689 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every hour.
If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the slice after 4 hours?

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58) Assistment #84688 "84688 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every day.
If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the glass after 7 days?

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59) Assistment #84690 "84690 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every hour.
If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the slice after 5 hours?

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60) Assistment #84687 "84687 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every day.
 If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the glass after 7 days?

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61) Assistment #84691 "84691 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
 If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the slice after 3 hours?

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62) Assistment #84693 "84693 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every hour.
 If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the slice after 4 hours?

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63) Assistment #84692 "84692 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 3 every hour.
 If the equation of the growth of mold spores is:
$b=3^n$

How many mold spores will there be on the slice after 3 hours?

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64) Assistment #84694 "84694 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every hour.
 If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the slice after 6 hours?

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65) Assistment #84695 "84695 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every hour.
 If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the slice after 3 hours?

[   ]

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66) Assistment #84696 "84696 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every hour.
 If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 5 hours?

[   ]

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67) Assistment #84697 "84697 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
 If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the slice after 8 hours?

[   ]

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68) Assistment #84698 "84698 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every hour.
 If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the slice after 7 hours?

[   ]

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69) Assistment #84699 "84699 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every day.
 If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the glass after 7 days?

[   ]

70) Assistment #84700 "84700 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every hour.
If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the slice after 6 hours?

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71) Assistment #84701 "84701 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 6 every day.
If the equation of the growth of mold spores is:
$b=6^n$

How many mold spores will there be on the glass after 8 days?

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72) Assistment #84702 "84702 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the slice after 6 hours?

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73) Assistment #84705 "84705 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the slice after 9 hours?

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74) Assistment #84703 "84703 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every hour.
If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the slice after 3 hours?

75) Assistment #84704 "84704 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
 If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the slice after 5 hours?

[   ]

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76) Assistment #84706 "84706 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every day.
 If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the glass after 9 days?

[   ]

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77) Assistment #84707 "84707 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 6 every day.
 If the equation of the growth of mold spores is:
$b=6^n$

How many mold spores will there be on the glass after 3 days?

[   ]

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78) Assistment #84708 "84708 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every hour.
 If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 9 hours?

[   ]

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79) Assistment #84709 "84709 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every hour.
 If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the slice after 7 hours?

80) Assistment #84712 "84712 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every hour.
If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 5 hours?

81) Assistment #84713 "84713 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 8 every hour.
If the equation of the growth of mold spores is:
$b=8^n$

How many mold spores will there be on the slice after 7 hours?

82) Assistment #84710 "84710 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every hour.
If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the slice after 7 hours?

83) Assistment #84711 "84711 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the slice after 4 hours?

84) Assistment #84714 "84714 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every day.
If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the glass after 3 days?

[   ]

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85) Assistment #84715 "84715 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every hour.
 If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 8 hours?

[   ]

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86) Assistment #84716 "84716 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 6 every hour.
 If the equation of the growth of mold spores is:
$b=6^n$

How many mold spores will there be on the slice after 5 hours?

[   ]

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87) Assistment #84717 "84717 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every hour.
 If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 5 hours?

[   ]

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88) Assistment #84718 "84718 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 6 every day.
 If the equation of the growth of mold spores is:
$b=6^n$

How many mold spores will there be on the glass after 8 days?

[   ]

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89) Assistment #84720 "84720 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every day.
 If the equation of the growth of mold spores is:
$b=7^n$

106

How many mold spores will there be on the glass after 5 days?

[   ]

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90) Assistment #84719 "84719 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every hour.
 If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the slice after 8 hours?

[   ]

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91) Assistment #84721 "84721 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every day.
 If the equation of the growth of mold spores is:
$b=9^n$

How many mold spores will there be on the glass after 6 days?

[   ]

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92) Assistment #84722 "84722 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every day.
 If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the glass after 7 days?

[   ]

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93) Assistment #84723 "84723 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every hour.
 If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the slice after 5 hours?

[   ]

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94) Assistment #84724 "84724 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 9 every hour.
 If the equation of the growth of mold spores is:

$b=9^n$

How many mold spores will there be on the slice after 7 hours?

[   ]

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95) Assistment #84725 "84725 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 3 every hour.
 If the equation of the growth of mold spores is:
$b=3^n$

How many mold spores will there be on the slice after 3 hours?

[   ]

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96) Assistment #84726 "84726 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every hour.
 If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the slice after 7 hours?

[   ]

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97) Assistment #84727 "84727 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 6 every hour.
 If the equation of the growth of mold spores is:
$b=6^n$

How many mold spores will there be on the slice after 8 hours?

[   ]

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98) Assistment #84728 "84728 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 6 every hour.
 If the equation of the growth of mold spores is:
$b=6^n$

How many mold spores will there be on the slice after 3 hours?

[   ]

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99) Assistment #84729 "84729 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every hour.

If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the slice after 7 hours?

[ ]

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100) Assistment #84730 "84730 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 4 every hour.
If the equation of the growth of mold spores is:
$b=4^n$

How many mold spores will there be on the slice after 7 hours?

[ ]

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101) Assistment #84731 "84731 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every hour.
If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 4 hours?

[ ]

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102) Assistment #84732 "84732 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 5 every day.
If the equation of the growth of mold spores is:
$b=5^n$

How many mold spores will there be on the glass after 7 days?

[ ]

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103) Assistment #84733 "84733 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore lands on it. The mold spores starts multiplying by a factor of 7 every day.
If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the glass after 7 days?

[ ]

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104) Assistment #84734 "84734 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore

lands on it. The mold spores starts multiplying by a factor of 7 every hour.
If the equation of the growth of mold spores is:
$b=7^n$

How many mold spores will there be on the slice after 3 hours?

[ ]

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105) Assistment #87573 "87573 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○   Okay

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106) Assistment #40948 "40948 - Page 24 # 1c"

A) Page 24 #1c How many bacteria will there be in the colony after eight hours?

[ ]

B) Explain how you can find this answer by using the answer from part b.

[   ]

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107) Assistment #40950 "40950 - Page 24 # 1d"

Page 24 #1d

[ ]

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108) Assistment #85955 "85955 - You did not ..."

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every hour.
The equation of the number of spores **b** after **n** hours is:

$$b = 8^n$$

After how many hours will there be at least 30367 mold spores?

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109) Assistment #86206 "86206 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every day.
The equation of the number of spores **b** after **n** hours is:

$$b = 4^n$$

After how many hours will there be at least 3853 mold spores?

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110) Assistment #86208 "86208 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 9 every hour.
The equation of the number of spores **b** after **n** hours is:

$$b = 9^n$$

111

After how many hours will there be at least 54953 mold spores?

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111) Assistment #86207 "86207 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every day.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 5484865 mold spores?

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112) Assistment #86210 "86210 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 255583 mold spores?

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113) Assistment #86209 "86209 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every day.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 15511 mold spores?

114) Assistment #86211 "86211 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 63349 mold spores?

115) Assistment #86212 "86212 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every day.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 3853 mold spores?

116) Assistment #86213 "86213 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every day.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 1171 mold spores?

<div style="border:1px solid black; width:160px; height:50px;"></div>

117) Assistment #86214 "86214 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 9 every day.
 The equation of the number of spores **b** after **n** hours is:

$$b = 9^n$$

After how many hours will there be at least 54953 mold spores?

<div style="border:1px solid black; width:160px; height:50px;"></div>

118) Assistment #86215 "86215 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every day.
 The equation of the number of spores **b** after **n** hours is:

$$b = 7^n$$

After how many hours will there be at least 2185 mold spores?

<div style="border:1px solid black; width:160px; height:50px;"></div>

119) Assistment #86217 "86217 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 3 every day.
 The equation of the number of spores **b** after **n** hours is:

$$b = 3^n$$

After how many hours will there be at least 19427 mold spores?

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120) Assistment #86216 "86216 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every day.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 7151 mold spores?

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121) Assistment #86218 "86218 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 7151 mold spores?

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122) Assistment #86219 "86219 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 3 every day.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 3^n$$

After how many hours will there be at least 73 mold spores?

123) Assistment #86220 "86220 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every hour.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 109873 mold spores?

124) Assistment #86222 "86222 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 5 every day.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 5^n$$

After how many hours will there be at least 1887589 mold spores?

125) Assistment #86221 "86221 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every day.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 3853 mold spores?

126) Assistment #86223 "86223 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 2185 mold spores?

127) Assistment #86224 "86224 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 3 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 3^n$$

After how many hours will there be at least 73 mold spores?

128) Assistment #86225 "86225 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 7151 mold spores?

129) Assistment #86226 "86226 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 3 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 3^n$$

After how many hours will there be at least 2123 mold spores?

130) Assistment #86227 "86227 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 1171 mold spores?

131) Assistment #86228 "86228 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every day.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 15655 mold spores?

132) Assistment #86229 "86229 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 43531 mold spores?

[empty box]

133) Assistment #86230 "86230 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 38673991 mold spores?

[empty box]

134) Assistment #86231 "86231 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 5 every day.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 5^n$$

After how many hours will there be at least 74029 mold spores?

135) Assistment #86232 "86232 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 8^n$$

After how many hours will there be at least 3753 mold spores?

136) Assistment #86233 "86233 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 5 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 5^n$$

After how many hours will there be at least 561 mold spores?

137) Assistment #86234 "86234 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 8^n$$

After how many hours will there be at least 3753 mold spores?

<div style="border:1px solid #000; width:160px; height:50px;"></div>

138) Assistment #86235 "86235 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 9 every hour.
The equation of the number of spores **b** after **n** hours is:

$$b = 9^n$$

After how many hours will there be at least 4520825 mold spores?

<div style="border:1px solid #000; width:160px; height:50px;"></div>

139) Assistment #86236 "86236 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every day.
The equation of the number of spores **b** after **n** hours is:

$$b = 6^n$$

After how many hours will there be at least 1601491 mold spores?

<div style="border:1px solid #000; width:160px; height:50px;"></div>

140) Assistment #86237 "86237 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every hour.
The equation of the number of spores **b** after **n** hours is:

$$b = 8^n$$

After how many hours will there be at least 128452927 mold spores?

141) Assistment #86238 "86238 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 776887 mold spores?

142) Assistment #86239 "86239 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 229 mold spores?

143) Assistment #86240 "86240 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 8^n$$

After how many hours will there be at least 245337 mold spores?

144) Assistment #86241 "86241 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every day.
The equation of the number of spores **b** after **n** hours is:

$$b = 7^n$$

After how many hours will there be at least 15511 mold spores?

145) Assistment #86242 "86242 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 3 every hour.
The equation of the number of spores **b** after **n** hours is:

$$b = 3^n$$

After how many hours will there be at least 227 mold spores?

146) Assistment #86243 "86243 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every day.
The equation of the number of spores **b** after **n** hours is:

$$b = 8^n$$

After how many hours will there be at least 1979503 mold spores?

147) Assistment #86244 "86244 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every day.
 The equation of the number of spores **b** after **n** hours is:

$$b = 6^n$$

After how many hours will there be at least 9687071 mold spores?

148) Assistment #86245 "86245 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$b = 6^n$$

After how many hours will there be at least 9687071 mold spores?

149) Assistment #86246 "86246 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$b = 6^n$$

After how many hours will there be at least 9687071 mold spores?

150) Assistment #86247 "86247 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 6 every day.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 6^n$$

After how many hours will there be at least 264311 mold spores?

151) Assistment #86248 "86248 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 255583 mold spores?

152) Assistment #86249 "86249 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 255583 mold spores?

153) Assistment #86250 "86250 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 255583 mold spores?

154) Assistment #86251 "86251 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 7 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 7^n$$

After how many hours will there be at least 5484865 mold spores?

155) Assistment #86252 "86252 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 8 every hour.
 The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 8^n$$

After how many hours will there be at least 15953673 mold spores?

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156) Assistment #86253 "86253 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, a single mold spore grows on it. The spore starts multiplying by a factor of 5 every day.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 5^n$$

After how many hours will there be at least 14601 mold spores?

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157) Assistment #86254 "86254 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 4 every hour.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 4^n$$

After how many hours will there be at least 255583 mold spores?

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158) Assistment #86255 "86255 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, a single mold spore grows on it. The spore starts multiplying by a factor of 9 every hour.
The equation of the number of spores **b** after **n** hours is:

$$\mathbf{b} = 9^n$$

After how many hours will there be at least 370643273 mold spores?

159) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

160) Assistment #40952 "40952 - Page 24 # 1e"

Page 24 #1e

Write in what would go in the blank for b = _____

161) Assistment #86005 "86005 - &..."

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

Last night, John accidentally left a slice of bread out on the table. Around midnight, 21 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

162) Assistment #86256 "86256 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 9 mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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163) Assistment #86258 "86258 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 34 mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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164) Assistment #86259 "86259 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 36 mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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165) Assistment #86260 "86260 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 33 mold spore dropped on it. The spore starts multiplying by a factor of 5 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

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166) Assistment #86257 "86257 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 30 mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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167) Assistment #86261 "86261 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 11 mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

☐

168) Assistment #86262 "86262 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 47 mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

☐

169) Assistment #86263 "86263 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 32 mold spore dropped on it. The spore starts multiplying by a factor of 7 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

☐

170) Assistment #86264 "86264 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 28 mold spore dropped on it. The spore starts multiplying by a factor of 2 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

☐

171) Assistment #86265 "86265 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 28 mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[ ]

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172) Assistment #86267 "86267 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 16 mold spore dropped on it. The spore starts multiplying by a factor of 5 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

[ ]

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173) Assistment #86266 "86266 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 15 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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174) Assistment #86268 "86268 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 45 mold spore dropped on it. The spore starts multiplying by a factor of 2 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

[ ]

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175) Assistment #86269 "86269 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 48 mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

176) Assistment #86270 "86270 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 34 mold spore dropped on it. The spore starts multiplying by a factor of 2 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

177) Assistment #86271 "86271 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 24 mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

178) Assistment #86273 "86273 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 43 mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

179) Assistment #86272 "86272 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 39 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

180) Assistment #86274 "86274 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 9 mold

spore dropped on it. The spore starts multiplying by a factor of 6 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

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181) Assistment #86275 "86275 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 12 mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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182) Assistment #86276 "86276 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 17 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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183) Assistment #86277 "86277 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 38 mold spore dropped on it. The spore starts multiplying by a factor of 6 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

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184) Assistment #86278 "86278 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 37 mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[box]

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185) Assistment #86279 "86279 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 18 mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[box]

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186) Assistment #86280 "86280 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 9 mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[box]

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187) Assistment #86281 "86281 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 18 mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[box]

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188) Assistment #86282 "86282 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 25 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[box]

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189) Assistment #86283 "86283 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 49 mold

spore dropped on it. The spore starts multiplying by a factor of 8 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

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190) Assistment #86284 "86284 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 12 mold spore dropped on it. The spore starts multiplying by a factor of 7 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

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191) Assistment #86285 "86285 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 23 mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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192) Assistment #86286 "86286 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 46 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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193) Assistment #86287 "86287 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 51 mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[ ]

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194) Assistment #86288 "86288 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 30 mold spore dropped on it. The spore starts multiplying by a factor of 4 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

[ ]

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195) Assistment #86289 "86289 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 22 mold spore dropped on it. The spore starts multiplying by a factor of 8 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[ ]

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196) Assistment #86290 "86290 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 41 mold spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[ ]

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197) Assistment #86291 "86291 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 15 mold spore dropped on it. The spore starts multiplying by a factor of 6 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[ ]

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198) Assistment #86292 "86292 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 20 mold

spore dropped on it. The spore starts multiplying by a factor of 3 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

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199) Assistment #86293 "86293 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 41 mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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200) Assistment #86294 "86294 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 32 mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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201) Assistment #86295 "86295 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 41 mold spore dropped on it. The spore starts multiplying by a factor of 5 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

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202) Assistment #86297 "86297 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 8 mold spore dropped on it. The spore starts multiplying by a factor of 3 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

---

203) Assistment #86296 "86296 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 22 mold spore dropped on it. The spore starts multiplying by a factor of 2 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

[empty box]

---

204) Assistment #86298 "86298 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 20 mold spore dropped on it. The spore starts multiplying by a factor of 7 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[empty box]

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205) Assistment #86299 "86299 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 19 mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[empty box]

---

206) Assistment #86300 "86300 - Last night, John ..."

Last night, John accidentally left a slice of bread out on the table. Around midnight, 5 mold spore dropped on it. The spore starts multiplying by a factor of 4 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

[empty box]

---

207) Assistment #86302 "86302 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 32 mold

138

spore dropped on it. The spore starts multiplying by a factor of 2 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

---

208) Assistment #86303 "86303 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 2 mold spore dropped on it. The spore starts multiplying by a factor of 6 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

---

209) Assistment #86304 "86304 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 14 mold spore dropped on it. The spore starts multiplying by a factor of 6 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

---

210) Assistment #86301 "86301 - Last night, John ..."

Last night, John accidentally left a slice of cheese out on the table. Around Midnight, 32 mold spore dropped on it. The spore starts multiplying by a factor of 3 every hour.

What would be the equation that describes the number of spores m in the new colony n hours after the first spores landed?

Write your answer in the form m = _____

---

211) Assistment #86305 "86305 - Last week, John a..."

Last week, John accidentally left half a glass of water out on the table. A day later, 3 mold spore dropped on it. The spore starts multiplying by a factor of 7 every day.

What would be the equation that describes the number of spores m in the new colony n days after the first spores landed?

Write your answer in the form m = _____

139

212) Assistment #87570 "87570 - 84634 - You are done"

Hurray!

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○ Okay

---

213) Assistment #40955 "40955 - Page 24 # 1f"

A) Page 24 #1f

How many bacteria will there be after 9 hours?

B) Explain how you can find these answers without using the equation from part (e)

---

214) Assistment #46110 "46110 - Page 24 # 2A"

Page 24 # 2A

○ I feel very confident with my table.

○ I do not feel confident with my table.

○ I feel somewhat confident with my table.

○ I do not know how to complete the table.

---

215) Assistment #40959 "40959 - Page 24 # 2b"

Page 24 #2b

216) Assistment #41054 "41054 - Page 25 # 4a"

A) Page 25 #4a How many beetles can Talisha expect to find after 2 months?

[   ]

B) How many beetles after 3 months?

[   ]

C) How many beetles can Talisha expect after 4 months?

[   ]

---

217) Assistment #86055 "86055 - 81613 - Linear population growth of spiders"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

A biologist discovered a new type of exotic spider, and took a sample of 4 of them to her lab to study their growth patterns.

After a month, she had 12 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

[   ]

---

218) Assistment #86307 "86307 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 14 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

[   ]

---

219) Assistment #86306 "86306 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 9 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

---

220) Assistment #86308 "86308 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

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221) Assistment #86309 "86309 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 9 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

---

222) Assistment #86310 "86310 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 6 of them to her lab to study their growth patterns.

After a month, she had 12 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the

biologist first brought the spiders to her lab?

[   ]

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223) Assistment #86311 "86311 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 8 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

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224) Assistment #86313 "86313 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 35 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

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225) Assistment #86312 "86312 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

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226) Assistment #86314 "86314 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 21 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[   ]

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227) Assistment #86315 "86315 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 25 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

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228) Assistment #86316 "86316 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

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229) Assistment #86317 "86317 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 4 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

230) Assistment #86318 "86318 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 9 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

231) Assistment #86320 "86320 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 4 of them to her lab to study their growth patterns.

After a month, she had 16 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the

144

biologist first brought the spiders to her lab?

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232) Assistment #86319 "86319 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 4 of them to her lab to study their growth patterns.

After a month, she had 20 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

233) Assistment #86321 "86321 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 10 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

234) Assistment #86322 "86322 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 14 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

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235) Assistment #86323 "86323 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 6 of them to her lab to study their growth patterns.

After a month, she had 30 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

236) Assistment #86324 "86324 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 10 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

[ ]

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237) Assistment #86325 "86325 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 10 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[ ]

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238) Assistment #86326 "86326 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 20 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

[ ]

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239) Assistment #86327 "86327 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 25 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

[ ]

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240) Assistment #86328 "86328 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 10 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the

biologist first brought the spiders to her lab?

---

241) Assistment #86329 "86329 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 25 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

242) Assistment #86330 "86330 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 8 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

243) Assistment #86332 "86332 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

244) Assistment #86331 "86331 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 4 of them to her lab to study their growth patterns.

After a month, she had 8 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

245) Assistment #86333 "86333 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 12 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

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246) Assistment #86335 "86335 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 14 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

247) Assistment #86334 "86334 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 4 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

248) Assistment #86337 "86337 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 12 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

249) Assistment #86336 "86336 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 12 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the

biologist first brought the spiders to her lab?

---

250) Assistment #86338 "86338 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 28 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

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251) Assistment #86339 "86339 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

252) Assistment #86340 "86340 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 20 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

253) Assistment #86341 "86341 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 15 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

254) Assistment #86342 "86342 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 35 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

255) Assistment #86343 "86343 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 3 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

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256) Assistment #86344 "86344 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 6 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

257) Assistment #86346 "86346 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 6 of them to her lab to study their growth patterns.

After a month, she had 18 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

258) Assistment #86347 "86347 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 6 of them to her lab to study their growth patterns.

After a month, she had 30 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the

biologist first brought the spiders to her lab?

---

259) Assistment #86348 "86348 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 6 of them to her lab to study their growth patterns.

After a month, she had 18 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

260) Assistment #86349 "86349 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 28 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

261) Assistment #86350 "86350 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 4 of them to her lab to study their growth patterns.

After a month, she had 20 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

262) Assistment #86351 "86351 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 20 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

263) Assistment #86352 "86352 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 4 of them to her lab to study their growth patterns.

After a month, she had 12 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

264) Assistment #86353 "86353 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 8 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

265) Assistment #86345 "86345 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 7 of them to her lab to study their growth patterns.

After a month, she had 14 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 3 months after the biologist first brought the spiders to her lab?

---

266) Assistment #86354 "86354 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 2 of them to her lab to study their growth patterns.

After a month, she had 10 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the biologist first brought the spiders to her lab?

---

267) Assistment #86355 "86355 - 81613 - Linear population growth of spiders"

A biologist discovered a new type of exotic spider, and took a sample of 5 of them to her lab to study their growth patterns.

After a month, she had 25 spiders in her lab.

If the spider population is increasing linearly, how many spiders will there be 2 months after the

biologist first brought the spiders to her lab?

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268) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

269) Assistment #41145 "41145 - Page 25 # 4b"

A) Page 25 #4b How many beetles can Talisha expect to find after 2 months?

B) How many beetles after 3 months?

C) How many beetles can Talisha expect after 4 months?

---

270) Assistment #86105 "86105 - 81699 - Exponential growth of ants"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

---

271) Assistment #86357 "86357 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 4 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

<div style="border:1px solid #999; width:160px; height:40px;"></div>

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272) Assistment #86356 "86356 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 18 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

<div style="border:1px solid #999; width:160px; height:40px;"></div>

---

273) Assistment #86358 "86358 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 18 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

<div style="border:1px solid #999; width:160px; height:40px;"></div>

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274) Assistment #86361 "86361 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 4 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

<div style="border:1px solid #999; width:160px; height:40px;"></div>

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275) Assistment #86359 "86359 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

<div style="border:1px solid #999; width:160px; height:40px;"></div>

---

276) Assistment #86360 "86360 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 16 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

[ ]

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277) Assistment #86364 "86364 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 18 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

[ ]

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278) Assistment #86363 "86363 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 5 ants. One week after she got it, she counted 20 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

[ ]

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279) Assistment #86362 "86362 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 24 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

[ ]

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280) Assistment #86366 "86366 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 8 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

[ ]

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281) Assistment #86367 "86367 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 3 ants. One week after she got it, she counted 6 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

[ ]

282) Assistment #86365 "86365 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 28 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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283) Assistment #86368 "86368 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 8 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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284) Assistment #86370 "86370 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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285) Assistment #86369 "86369 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 5 ants. One week after she got it, she counted 15 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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286) Assistment #86371 "86371 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 3 ants. One week after she got it, she counted 9 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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287) Assistment #86372 "86372 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 14 ants in

the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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288) Assistment #86373 "86373 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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289) Assistment #86374 "86374 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 4 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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290) Assistment #86375 "86375 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 21 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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291) Assistment #86376 "86376 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 24 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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292) Assistment #86377 "86377 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 6 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

[   ]

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293) Assistment #86378 "86378 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 5 ants. One week after she got it, she counted 15 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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294) Assistment #86380 "86380 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 14 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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295) Assistment #86379 "86379 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 8 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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296) Assistment #86381 "86381 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 3 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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297) Assistment #86382 "86382 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 16 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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298) Assistment #86383 "86383 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 28 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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299) Assistment #86384 "86384 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 4 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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300) Assistment #86385 "86385 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 28 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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301) Assistment #86386 "86386 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 8 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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302) Assistment #86387 "86387 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 3 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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303) Assistment #86388 "86388 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 21 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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304) Assistment #86390 "86390 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 24 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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305) Assistment #86389 "86389 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 8 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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306) Assistment #86391 "86391 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 14 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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307) Assistment #86392 "86392 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 28 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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308) Assistment #86393 "86393 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 4 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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309) Assistment #86394 "86394 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 21 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

310) Assistment #86395 "86395 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 5 ants. One week after she got it, she counted 10 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

311) Assistment #86397 "86397 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 5 ants. One week after she got it, she counted 20 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

312) Assistment #86398 "86398 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 16 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

313) Assistment #86399 "86399 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 6 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

314) Assistment #86396 "86396 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 4 ants. One week after she got it, she counted 16 ants in

the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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315) Assistment #86400 "86400 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 12 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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316) Assistment #86401 "86401 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 7 ants. One week after she got it, she counted 28 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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317) Assistment #86402 "86402 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 6 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 2 weeks after Jill got the ant farm?

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318) Assistment #86403 "86403 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 5 ants. One week after she got it, she counted 10 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

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319) Assistment #86404 "86404 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 6 ants. One week after she got it, she counted 18 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

320) Assistment #86405 "86405 - 81699 - Exponential growth of ants"

Jill just got a new ant farm, which came with 2 ants. One week after she got it, she counted 8 ants in the farm.

Assuming the number of ants is increasing exponentially, how many will there be 3 weeks after Jill got the ant farm?

321) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.
322) Assistment #41146 "41146 - Page 25 #4c "

Page 25 #4c

Fill in the blank for b= _____

323) Assistment #86456 "86456 - General equation of linear growth"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

A marine biologist brought a school of 5 tropical fish to his lab to study their growth patterns.

After a month, he had 20 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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324) Assistment #86457 "86457 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 8 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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325) Assistment #86458 "86458 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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326) Assistment #86460 "86460 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 4 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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327) Assistment #86459 "86459 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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328) Assistment #86462 "86462 - General equation of linear growth"

A marine biologist brought a school of 7 tropical fish to his lab to study their growth patterns.

After a month, he had 21 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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329) Assistment #86461 "86461 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 18 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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330) Assistment #86464 "86464 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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331) Assistment #86463 "86463 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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332) Assistment #86465 "86465 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 10 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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333) Assistment #86466 "86466 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 8 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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334) Assistment #86467 "86467 - General equation of linear growth"

A marine biologist brought a school of 7 tropical fish to his lab to study their growth patterns.

After a month, he had 21 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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335) Assistment #86468 "86468 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 18 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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336) Assistment #86469 "86469 - General equation of linear growth"

A marine biologist brought a school of 7 tropical fish to his lab to study their growth patterns.

After a month, he had 21 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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337) Assistment #86470 "86470 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 8 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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338) Assistment #86471 "86471 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 20 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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339) Assistment #86473 "86473 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 18 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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340) Assistment #86472 "86472 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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341) Assistment #86474 "86474 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 6 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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342) Assistment #86475 "86475 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 6 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

343) Assistment #86476 "86476 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 4 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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344) Assistment #86477 "86477 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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345) Assistment #86478 "86478 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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346) Assistment #86479 "86479 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 18 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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347) Assistment #86480 "86480 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 4 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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348) Assistment #86481 "86481 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 4 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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349) Assistment #86483 "86483 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 20 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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350) Assistment #86482 "86482 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish f the biologist will have in his lab after t months, assuming

the number of fish is increasing linearly.

Write your equation in the form f=_____

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351) Assistment #86485 "86485 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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352) Assistment #86484 "86484 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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353) Assistment #86486 "86486 - General equation of linear growth"

A marine biologist brought a school of 7 tropical fish to his lab to study their growth patterns.

After a month, he had 14 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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354) Assistment #86487 "86487 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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355) Assistment #86488 "86488 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 6 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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356) Assistment #86489 "86489 - General equation of linear growth"

A marine biologist brought a school of 5 tropical fish to his lab to study their growth patterns.

After a month, he had 25 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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357) Assistment #86491 "86491 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 4 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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358) Assistment #86492 "86492 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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359) Assistment #86490 "86490 - General equation of linear growth"

A marine biologist brought a school of 5 tropical fish to his lab to study their growth patterns.

After a month, he had 10 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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360) Assistment #86493 "86493 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 8 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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361) Assistment #86494 "86494 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 18 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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362) Assistment #86495 "86495 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 6 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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363) Assistment #86496 "86496 - General equation of linear growth"

A marine biologist brought a school of 2 tropical fish to his lab to study their growth patterns.

After a month, he had 6 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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364) Assistment #86498 "86498 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 30 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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365) Assistment #86497 "86497 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 30 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

366) Assistment #86499 "86499 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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367) Assistment #86501 "86501 - General equation of linear growth"

A marine biologist brought a school of 7 tropical fish to his lab to study their growth patterns.

After a month, he had 28 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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368) Assistment #86500 "86500 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 15 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

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369) Assistment #86502 "86502 - General equation of linear growth"

A marine biologist brought a school of 4 tropical fish to his lab to study their growth patterns.

After a month, he had 12 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

370) Assistment #86504 "86504 - General equation of linear growth"

A marine biologist brought a school of 7 tropical fish to his lab to study their growth patterns.

After a month, he had 35 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

371) Assistment #86503 "86503 - General equation of linear growth"

A marine biologist brought a school of 6 tropical fish to his lab to study their growth patterns.

After a month, he had 24 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

372) Assistment #86505 "86505 - General equation of linear growth"

A marine biologist brought a school of 3 tropical fish to his lab to study their growth patterns.

After a month, he had 9 fish in his lab.

Write an equation for the number of fish *f* the biologist will have in his lab after *t* months, assuming the number of fish is increasing linearly.

Write your equation in the form f=_____

373) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

374) Assistment #41147 "41147 - Page 25 #4d"

Page 25 #4d

375) Assistment #86506 "86506 - General equation of exponential growth"

176

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 21 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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376) Assistment #86507 "86507 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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377) Assistment #86508 "86508 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 6 stars. A minute later, he counts 18 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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378) Assistment #86512 "86512 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 6 stars. A minute later, he counts 30 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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379) Assistment #86510 "86510 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 21 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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380) Assistment #86509 "86509 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 15 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

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381) Assistment #86511 "86511 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 8 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

382) Assistment #86513 "86513 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[   ]

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383) Assistment #86514 "86514 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 6 stars. A minute later, he counts 12 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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384) Assistment #86515 "86515 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[   ]

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385) Assistment #86516 "86516 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 12 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[   ]

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386) Assistment #86517 "86517 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

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387) Assistment #86518 "86518 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 6 stars. A minute later, he counts 12 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

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388) Assistment #86519 "86519 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 28 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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389) Assistment #86520 "86520 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 4 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

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390) Assistment #86521 "86521 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 8 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

391) Assistment #86522 "86522 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 28 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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392) Assistment #86523 "86523 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 5 stars. A minute later, he counts 25 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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393) Assistment #86524 "86524 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 5 stars. A minute later, he counts 20 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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394) Assistment #86526 "86526 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 10 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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395) Assistment #86525 "86525 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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396) Assistment #86527 "86527 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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397) Assistment #86529 "86529 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 12 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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398) Assistment #86528 "86528 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 15 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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399) Assistment #86530 "86530 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

400) Assistment #86531 "86531 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 5 stars. A minute later, he counts 20 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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401) Assistment #86532 "86532 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 6 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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402) Assistment #86533 "86533 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 8 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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403) Assistment #86534 "86534 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 35 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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404) Assistment #86535 "86535 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 15 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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405) Assistment #86536 "86536 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 15 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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406) Assistment #86538 "86538 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 35 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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407) Assistment #86537 "86537 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 6 stars. A minute later, he counts 24 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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408) Assistment #86539 "86539 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 10 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

[ ]

409) Assistment #86540 "86540 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 20 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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410) Assistment #86541 "86541 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 16 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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411) Assistment #86543 "86543 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 9 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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412) Assistment #86542 "86542 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 10 stars.

Write an equation for the number of stars s Tom will be able to count t minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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413) Assistment #86544 "86544 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 35 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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414) Assistment #86545 "86545 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 12 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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415) Assistment #86546 "86546 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 12 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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416) Assistment #86547 "86547 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 8 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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417) Assistment #86548 "86548 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 35 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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418) Assistment #86549 "86549 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 20 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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419) Assistment #86550 "86550 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 21 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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420) Assistment #86551 "86551 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 4 stars. A minute later, he counts 20 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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421) Assistment #86552 "86552 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 6 stars. A minute later, he counts 24 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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422) Assistment #86553 "86553 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 2 stars. A minute later, he counts 4 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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423) Assistment #86554 "86554 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 7 stars. A minute later, he counts 28 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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424) Assistment #86555 "86555 - General equation of exponential growth"

Tom is watching the stars come out on a clear night. When he starts, he counts 3 stars. A minute later, he counts 15 stars.

Write an equation for the number of stars *s* Tom will be able to count *t* minutes after he started watching, assuming the number of visible stars is increasing exponentially.

Fill in the blank for s=_____

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425) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

426) Assistment #41148 "41148 - Page 25 #4e"

Page 25 #4e Give your answer as a decimal.

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427) Assistment #86556 "86556 - Prediction of linear growth"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 6 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 13 gallons of water in the tank?

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428) Assistment #86562 "86562 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 2 gallons of water in the tank.

After a minute, there are 10 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 46 gallons of water in the tank?

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429) Assistment #86557 "86557 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 30 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 90 gallons of water in the tank?

430) Assistment #86561 "86561 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 7 gallons of water in the tank.

After a minute, there are 21 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 56 gallons of water in the tank?

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431) Assistment #86559 "86559 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 34 gallons of water in the tank?

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432) Assistment #86558 "86558 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 15 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 60 gallons of water in the tank?

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433) Assistment #86560 "86560 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 32 gallons of water in the tank?

434) Assistment #86563 "86563 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 6 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 22 gallons of water in the tank?

435) Assistment #86564 "86564 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 24 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 141 gallons of water in the tank?

436) Assistment #86565 "86565 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 8 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 22 gallons of water in the tank?

437) Assistment #86566 "86566 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 2 gallons of water in the tank.

After a minute, there are 6 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 32 gallons of water in the tank?

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438) Assistment #86567 "86567 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 7 gallons of water in the tank.

After a minute, there are 35 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 49 gallons of water in the tank?

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439) Assistment #86568 "86568 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 8 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 30 gallons of water in the tank?

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440) Assistment #86569 "86569 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 10 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 47 gallons of water in the tank?

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441) Assistment #86570 "86570 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 8 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 38 gallons of water in the tank?

> [   ]

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442) Assistment #86572 "86572 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 20 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 28 gallons of water in the tank?

> [   ]

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443) Assistment #86571 "86571 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 9 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 48 gallons of water in the tank?

> [   ]

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444) Assistment #86573 "86573 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 9 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 48 gallons of water in the tank?

> [   ]

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445) Assistment #86574 "86574 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 16 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 46 gallons of water in the tank?

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446) Assistment #86575 "86575 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 10 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 22 gallons of water in the tank?

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447) Assistment #86576 "86576 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 9 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 36 gallons of water in the tank?

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448) Assistment #86577 "86577 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 2 gallons of water in the tank.

After a minute, there are 4 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 13 gallons of water in the tank?

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449) Assistment #86578 "86578 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there

are 7 gallons of water in the tank.

After a minute, there are 35 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 161 gallons of water in the tank?

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450) Assistment #86579 "86579 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 15 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 30 gallons of water in the tank?

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451) Assistment #86580 "86580 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 30 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 114 gallons of water in the tank?

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452) Assistment #86581 "86581 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 9 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 30 gallons of water in the tank?

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453) Assistment #86583 "86583 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 61 gallons of water in the tank?

454) Assistment #86582 "86582 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 64 gallons of water in the tank?

455) Assistment #86584 "86584 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 7 gallons of water in the tank.

After a minute, there are 21 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 70 gallons of water in the tank?

456) Assistment #86585 "86585 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 20 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 108 gallons of water in the tank?

457) Assistment #86586 "86586 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 2 gallons of water in the tank.

After a minute, there are 6 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 8 gallons of water in the tank?

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458) Assistment #86587 "86587 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 25 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 175 gallons of water in the tank?

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459) Assistment #86588 "86588 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 57 gallons of water in the tank?

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460) Assistment #86589 "86589 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 10 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 17 gallons of water in the tank?

461) Assistment #86590 "86590 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 15 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 45 gallons of water in the tank?

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462) Assistment #86591 "86591 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 25 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 35 gallons of water in the tank?

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463) Assistment #86592 "86592 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 61 gallons of water in the tank?

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464) Assistment #86593 "86593 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 18 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 36 gallons of water in the tank?

198

[   ]

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465) Assistment #86594 "86594 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 30 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 138 gallons of water in the tank?

[   ]

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466) Assistment #86595 "86595 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 24 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 69 gallons of water in the tank?

[   ]

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467) Assistment #86596 "86596 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 15 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 20 gallons of water in the tank?

[   ]

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468) Assistment #86597 "86597 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 4 gallons of water in the tank.

After a minute, there are 8 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 22 gallons of water in the tank?

> [   ]

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469) Assistment #86599 "86599 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 3 gallons of water in the tank.

After a minute, there are 12 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 61 gallons of water in the tank?

> [   ]

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470) Assistment #86598 "86598 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 15 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 60 gallons of water in the tank?

> [   ]

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471) Assistment #86600 "86600 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 2 gallons of water in the tank.

After a minute, there are 8 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 53 gallons of water in the tank?

> [   ]

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472) Assistment #86601 "86601 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 24 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 51 gallons of water in the tank?

[   ]

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473) Assistment #86602 "86602 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 5 gallons of water in the tank.

After a minute, there are 15 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 80 gallons of water in the tank?

[   ]

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474) Assistment #86603 "86603 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 6 gallons of water in the tank.

After a minute, there are 24 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 159 gallons of water in the tank?

[   ]

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475) Assistment #86604 "86604 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there are 7 gallons of water in the tank.

After a minute, there are 35 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 77 gallons of water in the tank?

[   ]

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476) Assistment #86605 "86605 - Prediction of linear growth"

An aquarium worker begins to pour water into a low tank at a constant rate. Before she starts, there

are 2 gallons of water in the tank.

After a minute, there are 4 gallons of water in the tank.

If the amount of water in the tank is increasing linearly, how many minutes after the aquarium worker started pouring until there are at least 15 gallons of water in the tank?

[   ]

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477) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

478) Assistment #85748 "85748 - Page 25 #4f"

Page 25 #4f Give the first whole number month when she has at least 200 beetles. Your answer will be a whole number.

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479) Assistment #86606 "86606 - Prediction of exponential growth"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

Betty was raising rabbits in her yard. She started with 7 rabbits. A month later, she had 21 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 47 rabbits?

[   ]

480) Assistment #86610 "86610 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 6 rabbits. A month later, she had 24 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 72 rabbits?

_____

481) Assistment #86607 "86607 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 5 rabbits. A month later, she had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 30 rabbits?

_____

482) Assistment #86608 "86608 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 8 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 96 rabbits?

_____

483) Assistment #86611 "86611 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 8 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 96 rabbits?

_____

484) Assistment #86612 "86612 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 6 rabbits. A month later, he had 24 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 288 rabbits?

_____

485) Assistment #86609 "86609 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 4 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 6 rabbits?

_____

486) Assistment #86613 "86613 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 3 rabbits. A month later, she had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 9 rabbits?

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487) Assistment #86614 "86614 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 4 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 6 rabbits?

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488) Assistment #86615 "86615 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 5 rabbits. A month later, he had 25 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 469 rabbits?

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489) Assistment #86616 "86616 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 6 rabbits. A month later, she had 30 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 2813 rabbits?

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490) Assistment #86618 "86618 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 4 rabbits. A month later, she had 12 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 243 rabbits?

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491) Assistment #86617 "86617 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 5 rabbits. A month later, she had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 15 rabbits?

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492) Assistment #86619 "86619 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 6 rabbits. A month later, she had 12 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 36 rabbits?

[   ]

493) Assistment #86620 "86620 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 4 rabbits. A month later, she had 12 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 27 rabbits?

[   ]

494) Assistment #86621 "86621 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 6 rabbits. A month later, he had 30 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 2813 rabbits?

[   ]

495) Assistment #86623 "86623 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 7 rabbits. A month later, she had 14 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 21 rabbits?

[   ]

496) Assistment #86624 "86624 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 7 rabbits. A month later, he had 35 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 131 rabbits?

[   ]

497) Assistment #86622 "86622 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 41 rabbits?

[   ]

498) Assistment #86625 "86625 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 5 rabbits. A month later, he had 25 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 2344 rabbits?

499) Assistment #86626 "86626 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 5 rabbits. A month later, she had 25 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 469 rabbits?

500) Assistment #86627 "86627 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 4 rabbits. A month later, she had 16 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 192 rabbits?

501) Assistment #86628 "86628 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 4 rabbits. A month later, she had 8 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 12 rabbits?

502) Assistment #86629 "86629 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 6 rabbits. A month later, he had 30 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 2813 rabbits?

503) Assistment #86630 "86630 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 4 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 12 rabbits?

504) Assistment #86632 "86632 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 38 rabbits?

[   ]

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505) Assistment #86631 "86631 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 4 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 12 rabbits?

[   ]

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506) Assistment #86633 "86633 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 938 rabbits?

[   ]

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507) Assistment #86635 "86635 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 188 rabbits?

[   ]

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508) Assistment #86634 "86634 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 188 rabbits?

[   ]

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509) Assistment #86636 "86636 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 6 rabbits. A month later, he had 18 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 122 rabbits?

[   ]

510) Assistment #86637 "86637 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 5 rabbits. A month later, he had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 15 rabbits?

511) Assistment #86638 "86638 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 6 rabbits. A month later, he had 18 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 41 rabbits?

512) Assistment #86639 "86639 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 41 rabbits?

513) Assistment #86640 "86640 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 41 rabbits?

514) Assistment #86641 "86641 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 5 rabbits. A month later, she had 20 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 240 rabbits?

515) Assistment #86642 "86642 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 5 rabbits. A month later, he had 15 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 304 rabbits?

516) Assistment #86643 "86643 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 6 rabbits. A month later, he had 12 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 36 rabbits?

517) Assistment #86644 "86644 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 6 rabbits. A month later, she had 18 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 122 rabbits?

518) Assistment #86645 "86645 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 10 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 188 rabbits?

519) Assistment #86646 "86646 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 7 rabbits. A month later, he had 35 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 131 rabbits?

520) Assistment #86647 "86647 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 6 rabbits. A month later, she had 18 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 41 rabbits?

521) Assistment #86648 "86648 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 5 rabbits. A month later, she had 25 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 2344 rabbits?

522) Assistment #86650 "86650 - Prediction of exponential growth"

Anthony was raising rabbits in his yard. He started with 5 rabbits. A month later, he had 25 rabbits.

If the number of rabbits is increasing exponentially, how many months after Anthony first started raising them will he have at least 94 rabbits?

```
┌──────────┐
│          │
└──────────┘
```

523) Assistment #86649 "86649 - Prediction of exponential growth"

Lily was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Lily first started raising them will she have at least 122 rabbits?

```
┌──────────┐
│          │
└──────────┘
```

524) Assistment #86651 "86651 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 7 rabbits. A month later, she had 35 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 3281 rabbits?

```
┌──────────┐
│          │
└──────────┘
```

525) Assistment #86652 "86652 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 4 rabbits. A month later, he had 8 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 48 rabbits?

```
┌──────────┐
│          │
└──────────┘
```

526) Assistment #86653 "86653 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 3 rabbits. A month later, he had 9 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 182 rabbits?

```
┌──────────┐
│          │
└──────────┘
```

527) Assistment #86654 "86654 - Prediction of exponential growth"

Betty was raising rabbits in her yard. She started with 2 rabbits. A month later, she had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Betty first started raising them will she have at least 41 rabbits?

```
┌──────────┐
│          │
└──────────┘
```

528) Assistment #86655 "86655 - Prediction of exponential growth"

Jacob was raising rabbits in his yard. He started with 2 rabbits. A month later, he had 6 rabbits.

If the number of rabbits is increasing exponentially, how many months after Jacob first started raising them will he have at least 122 rabbits?

529) Assistment #87572 "87572 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○ Okay

530) Assistment #41149 "41149 - Page 28 #15"

Page 28 #15

○ A. 3.5*10^-9

○ B. 8*10^3

○ C. 3*10^9

○ D. 3.5*10^9

531) Assistment #41151 "41151 - Page 28 # 16"

Page 28 # 16

○ F

○ G

○ H

○ J
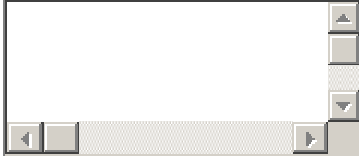
532) Assistment #41153 "41153 - Page 28 # 18"

A) Page 28 # 18

  ○   less than one million

  ○   greater than one million

B) Explain your reasoning.

---
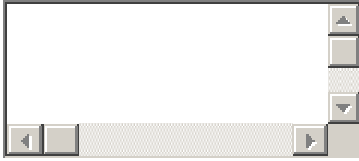
533) Assistment #41154 "41154 - Page 28 # 19"

A) Page 28 # 19

  ○   less than one million

  ○   greater than one million

B) Explain your reasoning.

---
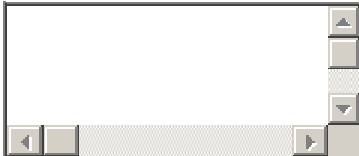
534) Assistment #41155 "41155 - Page 28 # 20"

A) Page 28 # 20

  ○   less than one million

  ○   greater than one million

B) Type in your explanation.

---

535) Assistment #41156 "41156 - Page 29 # 21A"

Page 29 # 21A

---

536) Assistment #86656 "86656 -   ..."

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

Choose all the **PRIME FACTORS** of 450.

☐   2

☐   3

☐   5

☐   17

☐   1

☐   15

---

537) Assistment #86657 "86657 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 3600.

☐   2

☐   3

☐   5

☐   19

- [ ] 1
- [ ] 18

---

538) Assistment #86660 "86660 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 4500.

- [ ] 2
- [ ] 3
- [ ] 5
- [ ] 19
- [ ] 1
- [ ] 18

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539) Assistment #86658 "86658 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 270.

- [ ] 2
- [ ] 3
- [ ] 5
- [ ] 7
- [ ] 1
- [ ] 6

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540) Assistment #86661 "86661 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 1350.

- [ ] 2
- [ ] 3
- [ ] 5
- [ ] 13

☐ 1

☐ 12

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541) Assistment #86662 "86662 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 450.

☐ 2

☐ 3

☐ 5

☐ 11

☐ 1

☐ 9

---

542) Assistment #86659 "86659 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 5400.

☐ 2

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

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543) Assistment #86664 "86664 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 4500.

☐ 2

☐ 3

☐ 5

☐ 13

☐ 1

☐ 12

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544) Assistment #86663 "86663 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 150.

☐ 2

☐ 3

☐ 5

☐ 13

☐ 1

☐ 12

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545) Assistment #86665 "86665 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 4500.

☐ 2

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

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546) Assistment #86666 "86666 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 6750.

☐ 2

☐ 3

☐ 5

☐ 11

☐   1

☐   9

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547) Assistment #86667 "86667 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 270.

☐   2

☐   3

☐   5

☐   7

☐   1

☐   6

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548) Assistment #86668 "86668 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 900.

☐   2

☐   3

☐   5

☐   17

☐   1

☐   15

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549) Assistment #86669 "86669 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 6750.

☐   2

☐   3

☐   5

☐   11

☐   1

☐   9

---

550) Assistment #86670 "86670 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 1800.

☐   2

☐   3

☐   5

☐   19

☐   1

☐   18

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551) Assistment #86672 "86672 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 6750.

☐   2

☐   3

☐   5

☐   11

☐   1

☐   9

---

552) Assistment #86673 "86673 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 18000.

☐   2

☐   3

☐   5

☐   7

☐   1

☐   6

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553) Assistment #86674 "86674 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1350.

☐   2

☐   3

☐   5

☐   13

☐   1

☐   12

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554) Assistment #86671 "86671 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2700.

☐   2

☐   3

☐   5

☐   11

☐   1

☐   9

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555) Assistment #86675 "86675 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 540.

☐   2

☐   3

☐   5

☐   17

- ☐ 1
- ☐ 15

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556) Assistment #86676 "86676 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 360.

- ☐ 2
- ☐ 3
- ☐ 5
- ☐ 17
- ☐ 1
- ☐ 15

---

557) Assistment #86677 "86677 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 360.

- ☐ 2
- ☐ 3
- ☐ 5
- ☐ 19
- ☐ 1
- ☐ 18

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558) Assistment #86678 "86678 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 27000.

- ☐ 2
- ☐ 3
- ☐ 5
- ☐ 11

☐ 1

☐ 9

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559) Assistment #86679 "86679 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 450.

☐ 2

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

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560) Assistment #86681 "86681 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 60.

☐ 2

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

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561) Assistment #86680 "86680 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 750.

☐ 2

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

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562) Assistment #86682 "86682 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 3600.

☐ 2

☐ 3

☐ 5

☐ 13

☐ 1

☐ 12

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563) Assistment #86683 "86683 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 9000.

☐ 2

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

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564) Assistment #86684 "86684 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2160.

☐ 2

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

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565) Assistment #86685 "86685 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 180.

☐ 2

☐ 3

☐ 5

☐ 11

☐ 1

☐ 9

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566) Assistment #86687 "86687 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 150.

☐ 2

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

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567) Assistment #86686 "86686 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 600.

☐ 2

☐ 3

☐ 5

☐ 11

☐ 1

☐ 9

---

568) Assistment #86688 "86688 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2160.

☐ 2

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

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569) Assistment #86689 "86689 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 180.

☐ 2

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

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570) Assistment #86690 "86690 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 120.

☐ 2

☐ 3

☐ 5

☐ 19

☐   1

☐   18

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571) Assistment #86691 "86691 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 13500.

☐   2

☐   3

☐   5

☐   11

☐   1

☐   9

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572) Assistment #86693 "86693 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 90.

☐   2

☐   3

☐   5

☐   7

☐   1

☐   6

---

573) Assistment #86692 "86692 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1800.

☐   2

☐   3

☐   5

☐   7

☐ 1

☐ 6

---

574) Assistment #86694 "86694 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2700.

☐ 2

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

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575) Assistment #86696 "86696 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 6750.

☐ 2

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

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576) Assistment #86695 "86695 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1800.

☐ 2

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

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577) Assistment #86699 "86699 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 6000.

☐ 2

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

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578) Assistment #86697 "86697 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1800.

☐ 2

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

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579) Assistment #86698 "86698 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1350.

☐ 2

☐ 3

☐ 5

☐ 11

580) Assistment #86701 "86701 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 3000.

☐ 2

☐ 3

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☐ 18

581) Assistment #86700 "86700 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 300.

☐ 2

☐ 3

☐ 5

☐ 11

☐ 1

☐ 9

582) Assistment #86702 "86702 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 300.

☐ 2

☐ 3

☐ 5

☐ 19

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583) Assistment #86703 "86703 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 720.

    ☐ 2

    ☐ 3

    ☐ 5

    ☐ 19

    ☐ 1

    ☐ 18

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584) Assistment #86704 "86704 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 120.

    ☐ 2

    ☐ 3

    ☐ 5

    ☐ 13

    ☐ 1

    ☐ 12

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585) Assistment #86705 "86705 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 600.

    ☐ 2

    ☐ 3

    ☐ 5

    ☐ 19

☐　1

☐　18

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586) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

587) Assistment #41157 "41157 - Page 29 # 21B"

Page 29 # 21B

[ ]

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588) Assistment #86806 "86806 -   ..."

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

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Choose all the **PRIME FACTORS** of 5292.

☐　2

☐　3

☐　7

☐　13

☐　1

☐   8

---

589) Assistment #86812 "86812 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 7056.

☐   2

☐   3

☐   7

☐   19

☐   1

☐   12

---

590) Assistment #86809 "86809 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 126.

☐   2

☐   3

☐   7

☐   17

☐   1

☐   10

---

591) Assistment #86811 "86811 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 336.

☐   2

☐   3

☐   7

☐   13

☐   1

592) Assistment #86808 "86808 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 756.

□   2

□   3

□   7

□   19

□   1

□   12

593) Assistment #86810 "86810 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 3024.

□   2

□   3

□   7

□   5

□   1

□   4

594) Assistment #86807 "86807 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1008.

□   2

□   3

□   7

□   11

□   1

☐ 6

---

595) Assistment #86813 "86813 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1008.

☐ 2

☐ 3

☐ 7

☐ 17

☐ 1

☐ 10

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596) Assistment #86815 "86815 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1176.

☐ 2

☐ 3

☐ 7

☐ 11

☐ 1

☐ 6

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597) Assistment #86814 "86814 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 168.

☐ 2

☐ 3

☐ 7

☐ 5

☐ 1

□   4

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598) Assistment #86816 "86816 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 294.

□   2

□   3

□   7

□   5

□   1

□   4

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599) Assistment #86817 "86817 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 3528.

□   2

□   3

□   7

□   5

□   1

□   4

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600) Assistment #86818 "86818 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1512.

□   2

□   3

□   7

□   19

□   1

☐ 12

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601) Assistment #86819 "86819 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 42.

☐ 2

☐ 3

☐ 7

☐ 17

☐ 1

☐ 10

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602) Assistment #86820 "86820 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 7056.

☐ 2

☐ 3

☐ 7

☐ 5

☐ 1

☐ 4

---

603) Assistment #86821 "86821 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 42.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐   12

---

604) Assistment #86822 "86822 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 756.

☐   2

☐   3

☐   7

☐   17

☐   1

☐   10

---

605) Assistment #86823 "86823 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 7056.

☐   2

☐   3

☐   7

☐   5

☐   1

☐   4

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606) Assistment #86824 "86824 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 21168.

☐   2

☐   3

☐   7

☐   19

☐   1

□ 12

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607) Assistment #86825 "86825 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 5292.

□ 2

□ 3

□ 7

□ 11

□ 1

□ 6

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608) Assistment #86826 "86826 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 126.

□ 2

□ 3

□ 7

□ 11

□ 1

□ 6

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609) Assistment #86828 "86828 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 882.

□ 2

□ 3

□ 7

□ 19

□ 1

□   12

---

610) Assistment #86827 "86827 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 756.

□   2

□   3

□   7

□   11

□   1

□   6

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611) Assistment #86829 "86829 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1176.

□   2

□   3

□   7

□   19

□   1

□   12

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612) Assistment #86830 "86830 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2646.

□   2

□   3

□   7

□   11

□   1

☐ 6

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613) Assistment #86831 "86831 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 21168.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐ 12

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614) Assistment #86832 "86832 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 21168.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐ 12

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615) Assistment #86833 "86833 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 756.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐   12

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616) Assistment #86834 "86834 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 168.

☐   2

☐   3

☐   7

☐   13

☐   1

☐   8

---

617) Assistment #86835 "86835 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 504.

☐   2

☐   3

☐   7

☐   19

☐   1

☐   12

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618) Assistment #86836 "86836 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1512.

☐   2

☐   3

☐   7

☐   17

☐   1

□   10

---

619) Assistment #86837 "86837 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 168.

□   2

□   3

□   7

□   17

□   1

□   10

---

620) Assistment #86838 "86838 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2646.

□   2

□   3

□   7

□   13

□   1

□   8

---

621) Assistment #86839 "86839 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 336.

□   2

□   3

□   7

□   19

□   1

☐   12

---

622) Assistment #86840 "86840 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 378.

☐   2

☐   3

☐   7

☐   17

☐   1

☐   10

---

623) Assistment #86841 "86841 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 84.

☐   2

☐   3

☐   7

☐   5

☐   1

☐   4

---

624) Assistment #86842 "86842 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 336.

☐   2

☐   3

☐   7

☐   17

☐   1

☐ 10

---

625) Assistment #86843 "86843 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 10584.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐ 12

---

626) Assistment #86844 "86844 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 168.

☐ 2

☐ 3

☐ 7

☐ 5

☐ 1

☐ 4

---

627) Assistment #86845 "86845 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2646.

☐ 2

☐ 3

☐ 7

☐ 17

☐ 1

☐ 10

---

628) Assistment #86847 "86847 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 21168.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐ 12

---

629) Assistment #86846 "86846 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 252.

☐ 2

☐ 3

☐ 7

☐ 17

☐ 1

☐ 10

---

630) Assistment #86848 "86848 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 756.

☐ 2

☐ 3

☐ 7

☐ 5

☐ 1

☐ 4

---

631) Assistment #86850 "86850 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 3528.

☐ 2

☐ 3

☐ 7

☐ 13

☐ 1

☐ 8

---

632) Assistment #86849 "86849 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 882.

☐ 2

☐ 3

☐ 7

☐ 19

☐ 1

☐ 12

---

633) Assistment #86851 "86851 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 3024.

☐ 2

☐ 3

☐ 7

☐ 5

☐ 1

☐   4

---

634) Assistment #86852 "86852 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 252.

☐   2

☐   3

☐   7

☐   5

☐   1

☐   4

---

635) Assistment #86854 "86854 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 42.

☐   2

☐   3

☐   7

☐   19

☐   1

☐   12

---

636) Assistment #86853 "86853 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 252.

☐   2

☐   3

☐   7

☐   13

☐   1

---

637) Assistment #86855 "86855 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 588.

☐   2

☐   3

☐   7

☐   17

☐   1

☐   10

---

638) Duplicate assistment: Assistment #84634 "84634 - You are done" was not displayed.

639) Assistment #41158 "41158 - Page 29 # 21C"

Page 29 # 21C

[   ]

---

640) Assistment #86856 "86856 -   ..."

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a

Choose all the **PRIME FACTORS** of 16335.

☐   11

☐   3

☐   5

☐   17

☐   1

☐   15

---

641) Assistment #86858 "86858 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 495.

☐   11

☐   3

☐   5

☐   13

☐   1

☐   12

---

642) Assistment #86857 "86857 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 45375.

☐   11

☐   3

☐   5

☐   19

☐   1

☐   18

643) Assistment #86859 "86859 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 5445.

☐ 11

☐ 3

☐ 5

☐ 13

☐ 1

☐ 12

644) Assistment #86861 "86861 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 2475.

☐ 11

☐ 3

☐ 5

☐ 13

☐ 1

☐ 12

645) Assistment #86862 "86862 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 1485.

☐ 11

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

646) Assistment #86860 "86860 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 12375.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 7
- ☐ 1
- ☐ 6

---

647) Assistment #86863 "86863 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 45375.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 7
- ☐ 1
- ☐ 6

---

648) Assistment #86864 "86864 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 16335.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 19
- ☐ 1
- ☐ 18

---

649) Assistment #86865 "86865 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 27225.

   □   11

   □   3

   □   5

   □   7

   □   1

   □   6

---

650) Assistment #86866 "86866 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 27225.

   □   11

   □   3

   □   5

   □   17

   □   1

   □   15

---

651) Assistment #86867 "86867 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 495.

   □   11

   □   3

   □   5

   □   13

   □   1

   □   12

---

652) Assistment #86868 "86868 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 27225.

□ 11

□ 3

□ 5

□ 13

□ 1

□ 12

---

653) Assistment #86869 "86869 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 16335.

□ 11

□ 3

□ 5

□ 19

□ 1

□ 18

---

654) Assistment #86870 "86870 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2475.

□ 11

□ 3

□ 5

□ 19

□ 1

□ 18

---

655) Assistment #86872 "86872 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 4125.

☐ 11

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

---

656) Assistment #86873 "86873 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 37125.

☐ 11

☐ 3

☐ 5

☐ 2

☐ 1

☐ 9

---

657) Assistment #86874 "86874 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 16335.

☐ 11

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

---

658) Assistment #86871 "86871 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 81675.

☐ 11

☐ 3

☐ 5

☐ 13

☐ 1

☐ 12

659) Assistment #86876 "86876 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 5445.

☐ 11

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

660) Assistment #86877 "86877 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 495.

☐ 11

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

661) Assistment #86878 "86878 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 136125.

☐ 11

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

---

662) Assistment #86879 "86879 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 81675.

☐ 11

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

---

663) Assistment #86875 "86875 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 37125.

☐ 11

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

---

664) Assistment #86880 "86880 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 9075.

☐ 11

☐ 3

☐ 5

☐ 2

☐ 1

☐ 9

---

665) Assistment #86882 "86882 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 12375.

☐ 11

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

---

666) Assistment #86881 "86881 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 81675.

☐ 11

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

---

667) Assistment #86883 "86883 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 408375.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 13
- ☐ 1
- ☐ 12

---

668) Assistment #86884 "86884 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2475.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 13
- ☐ 1
- ☐ 12

---

669) Assistment #86885 "86885 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 7425.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 19
- ☐ 1
- ☐ 18

---

670) Assistment #86886 "86886 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 136125.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 2
- ☐ 1
- ☐ 9

---

671) Assistment #86888 "86888 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 7425.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 7
- ☐ 1
- ☐ 6

---

672) Assistment #86887 "86887 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 16335.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 19
- ☐ 1
- ☐ 18

---

673) Assistment #86889 "86889 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 81675.

☐ 11

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

---

674) Assistment #86890 "86890 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 81675.

☐ 11

☐ 3

☐ 5

☐ 17

☐ 1

☐ 15

---

675) Assistment #86891 "86891 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 408375.

☐ 11

☐ 3

☐ 5

☐ 2

☐ 1

☐ 9

---

676) Assistment #86892 "86892 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 5445.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 13
- ☐ 1
- ☐ 12

---

677) Assistment #86893 "86893 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 4125.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 2
- ☐ 1
- ☐ 9

---

678) Assistment #86896 "86896 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 4125.

- ☐ 11
- ☐ 3
- ☐ 5
- ☐ 7
- ☐ 1
- ☐ 6

---

679) Assistment #86894 "86894 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 165.

- [ ] 11
- [ ] 3
- [ ] 5
- [ ] 13
- [ ] 1
- [ ] 12

---

680) Assistment #86895 "86895 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 81675.

- [ ] 11
- [ ] 3
- [ ] 5
- [ ] 13
- [ ] 1
- [ ] 12

---

681) Assistment #86897 "86897 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 1485.

- [ ] 11
- [ ] 3
- [ ] 5
- [ ] 2
- [ ] 1
- [ ] 9

---

682) Assistment #86899 "86899 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 408375.

☐ 11

☐ 3

☐ 5

☐ 2

☐ 1

☐ 9

683) Assistment #86898 "86898 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 408375.

☐ 11

☐ 3

☐ 5

☐ 19

☐ 1

☐ 18

684) Assistment #86900 "86900 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 2475.

☐ 11

☐ 3

☐ 5

☐ 7

☐ 1

☐ 6

685) Assistment #86901 "86901 - Choose all the PR..."
Choose all the **PRIME FACTORS** of 1815.

- [ ] 11
- [ ] 3
- [ ] 5
- [ ] 19
- [ ] 1
- [ ] 18

---

686) Assistment #86902 "86902 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 1815.

- [ ] 11
- [ ] 3
- [ ] 5
- [ ] 7
- [ ] 1
- [ ] 6

---

687) Assistment #86903 "86903 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 4125.

- [ ] 11
- [ ] 3
- [ ] 5
- [ ] 17
- [ ] 1
- [ ] 15

---

688) Assistment #86904 "86904 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 165.

☐   11

☐   3

☐   5

☐   2

☐   1

☐   9

---

689) Assistment #86905 "86905 - Choose all the PR..."

Choose all the **PRIME FACTORS** of 16335.
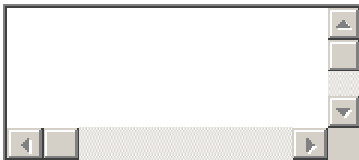
☐   11

☐   3

☐   5

☐   13

☐   1

☐   12

---

691) Assistment #41161 "41161 - Page 31 # 32A"

A) Page 31 # 32A Use the variables (x,y) and fill in the blank in the equation:

y = _____

[   ]

B) Explain how you got your equation.

[text box]

---

692) Assistment #41162 "41162 - Page 31 # 32B"

A) Page 31 # 32B Use the variables (x,y) and fill in the blank in the equation:

y = _____

[   ]

B) Explain how you got your equation.

693) Assistment #41782 "41782 - Page 31 #33a"

Page 31 #33a

⊙ Dawn

⊙ Leonora

Problem Set "GGG Investigation 2.2 Book Mastery Homework " id:[10271]

1) Assistment #85749 "85749 - Page 26 #5a"

A) Page 26 #5a

[   ]

B) Explain how you got your answer.

[   ]

---

2) Assistment #87832 "87832 - "

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

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A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population

0	10
1	80
2	640
3	5120

What is the growth factor for this fruit-fly population?

[ ]

---

3) Assistment #87255 "87255 - 85727 - 5a Vertical Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	16
1	128
2	1024
3	8192

What is the growth factor for this fruit-fly population?

[ ]

---

4) Assistment #87266 "87266 - 85727 - 5a Vertical Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	14
1	56
2	224
3	896

What is the growth factor for this fruit-fly population?

[   ]

---

5) Assistment #87245 "87245 - 85727 - 5a Vertical Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	8
1	40
2	200
3	1000

What is the growth factor for this fruit-fly population?

[   ]

---

6) Assistment #87256 "87256 - 85727 - 5a Vertical Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	6
1	48
2	384
3	3072

What is the growth factor for this fruit-fly population?

[   ]

---

7) Assistment #87268 "87268 - 85727 - 5a Vertical Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	7
1	49
2	343
3	2401

What is the growth factor for this fruit-fly population?

[   ]

8) Assistment #87271 "87271 - 85727 - 5a Vertical Table"

A fruit-fly population started with 4 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	4
1	12
2	36
3	108

What is the growth factor for this fruit-fly population?

9) Assistment #87228 "87228 - 85727 - 5a Vertical Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	7
1	42
2	252
3	1512

What is the growth factor for this fruit-fly population?

[   ]

---

10) Assistment #87251 "87251 - 85727 - 5a Vertical Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	16
1	80
2	400
3	2000

What is the growth factor for this fruit-fly population?

[   ]

---

11) Assistment #87252 "87252 - 85727 - 5a Vertical Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	5
1	20
2	80

3	320

What is the growth factor for this fruit-fly population?

[ ]

---

12) Assistment #87265 "87265 - 85727 - 5a Vertical Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	7
1	42
2	252
3	1512

What is the growth factor for this fruit-fly population?

[ ]

---

13) Assistment #87267 "87267 - 85727 - 5a Vertical Table"

A fruit-fly population started with 19 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	19
1	152

2	1216
3	9728

What is the growth factor for this fruit-fly population?

[   ]

---

14) Assistment #87269 "87269 - 85727 - 5a Vertical Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	8
1	48
2	288
3	1728

What is the growth factor for this fruit-fly population?

[   ]

---

15) Assistment #87270 "87270 - 85727 - 5a Vertical Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	16

1	96
2	576
3	3456

What is the growth factor for this fruit-fly population?

[ ]

---

16) Assistment #87272 "87272 - 85727 - 5a Vertical Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	13
1	39
2	117
3	351

What is the growth factor for this fruit-fly population?

[ ]

---

17) Assistment #87273 "87273 - 85727 - 5a Vertical Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population

0	15
1	105
2	735
3	5145

What is the growth factor for this fruit-fly population?

[   ]

---

18) Assistment #87274 "87274 - 85727 - 5a Vertical Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	18
1	36
2	72
3	144

What is the growth factor for this fruit-fly population?

[   ]

---

19) Assistment #87263 "87263 - 85727 - 5a Vertical Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	6
1	24
2	96
3	384

What is the growth factor for this fruit-fly population?

[   ]

---

20) Assistment #87275 "87275 - 85727 - 5a Vertical Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	3
1	21
2	147
3	1029

What is the growth factor for this fruit-fly population?

[   ]

---

21) Assistment #87264 "87264 - 85727 - 5a Vertical Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	6
1	24
2	96
3	384

What is the growth factor for this fruit-fly population?

[   ]

---

22) Assistment #87232 "87232 - 85727 - 5a Vertical Table"

A fruit-fly population started with 11 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	11
1	44
2	176
3	704

What is the growth factor for this fruit-fly population?

[   ]

23) Assistment #87257 "87257 - 85727 - 5a Vertical Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	13
1	65
2	325
3	1625

What is the growth factor for this fruit-fly population?

24) Assistment #87235 "87235 - 85727 - 5a Vertical Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	13
1	52
2	208
3	832

What is the growth factor for this fruit-fly population?

| |

---

25) Assistment #87246 "87246 - 85727 - 5a Vertical Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	12
1	96
2	768
3	6144

What is the growth factor for this fruit-fly population?

| |

---

26) Assistment #87247 "87247 - 85727 - 5a Vertical Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	14
1	70
2	350

3	1750

What is the growth factor for this fruit-fly population?

[ ]

---

27) Assistment #87259 "87259 - 85727 - 5a Vertical Table"

A fruit-fly population started with 11 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	11
1	33
2	99
3	297

What is the growth factor for this fruit-fly population?

[ ]

---

28) Assistment #87249 "87249 - 85727 - 5a Vertical Table"

A fruit-fly population started with 4 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	4
1	20

2	100
3	500

What is the growth factor for this fruit-fly population?

[   ]

---

29) Assistment #87227 "87227 - 85727 - 5a Vertical Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	15
1	105
2	735
3	5145

What is the growth factor for this fruit-fly population?

[   ]

---

30) Assistment #87262 "87262 - 85727 - 5a Vertical Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	14

1	84
2	504
3	3024

What is the growth factor for this fruit-fly population?

[   ]

---

31) Assistment #87241 "87241 - 85727 - 5a Vertical Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	18
1	54
2	162
3	486

What is the growth factor for this fruit-fly population?

[   ]

---

32) Assistment #87243 "87243 - 85727 - 5a Vertical Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population

0	13
1	78
2	468
3	2808

What is the growth factor for this fruit-fly population?

[   ]

---

33) Assistment #87234 "87234 - 85727 - 5a Vertical Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	10
1	80
2	640
3	5120

What is the growth factor for this fruit-fly population?

[   ]

---

34) Assistment #87258 "87258 - 85727 - 5a Vertical Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	13
1	91
2	637
3	4459

What is the growth factor for this fruit-fly population?

[   ]

---

35) Assistment #87236 "87236 - 85727 - 5a Vertical Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	3
1	21
2	147
3	1029

What is the growth factor for this fruit-fly population?

[   ]

---

36) Assistment #87248 "87248 - 85727 - 5a Vertical Table"

A fruit-fly population started with 20 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	20
1	160
2	1280
3	10240

What is the growth factor for this fruit-fly population?

---

37) Assistment #87238 "87238 - 85727 - 5a Vertical Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	3
1	21
2	147
3	1029

What is the growth factor for this fruit-fly population?

38) Assistment #87239 "87239 - 85727 - 5a Vertical Table"

A fruit-fly population started with 2 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	2
1	6
2	18
3	54

What is the growth factor for this fruit-fly population?

39) Assistment #87240 "87240 - 85727 - 5a Vertical Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	7
1	35
2	175
3	875

What is the growth factor for this fruit-fly population?

[   ]

---

40) Assistment #87230 "87230 - 85727 - 5a Vertical Table"

A fruit-fly population started with 4 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	4
1	16
2	64
3	256

What is the growth factor for this fruit-fly population?

[   ]

---

41) Assistment #87242 "87242 - 85727 - 5a Vertical Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	10
1	60
2	360

3	2160

What is the growth factor for this fruit-fly population?

[   ]

---

42) Assistment #87254 "87254 - 85727 - 5a Vertical Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	5
1	25
2	125
3	625

What is the growth factor for this fruit-fly population?

[   ]

---

43) Assistment #87244 "87244 - 85727 - 5a Vertical Table"

A fruit-fly population started with 19 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	19
1	95

2	475
3	2375

What is the growth factor for this fruit-fly population?

[   ]

---

44) Assistment #87226 "87226 - 85727 - 5a Vertical Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	15
1	75
2	375
3	1875

What is the growth factor for this fruit-fly population?

[   ]

---

45) Assistment #87237 "87237 - 85727 - 5a Vertical Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	10

1	60
2	360
3	2160

What is the growth factor for this fruit-fly population?

[ ]

---

46) Assistment #87260 "87260 - 85727 - 5a Vertical Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	16
1	32
2	64
3	128

What is the growth factor for this fruit-fly population?

[ ]

---

47) Assistment #87261 "87261 - 85727 - 5a Vertical Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population

0	18
1	126
2	882
3	6174

What is the growth factor for this fruit-fly population?

[   ]

---

48) Assistment #87250 "87250 - 85727 - 5a Vertical Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data
is shown in the table below.

Generation	Fly Population
0	10
1	50
2	250
3	1250

What is the growth factor for this fruit-fly population?

[   ]

---

49) Assistment #87229 "87229 - 85727 - 5a Vertical Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data
is shown in the table below.

Generation	Fly Population
0	18
1	144
2	1152
3	9216

What is the growth factor for this fruit-fly population?

[   ]

---

50) Assistment #87231 "87231 - 85727 - 5a Vertical Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	13
1	39
2	117
3	351

What is the growth factor for this fruit-fly population?

[   ]

---

51) Assistment #87253 "87253 - 85727 - 5a Vertical Table"

A fruit-fly population started with 17 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	Fly Population
0	17
1	34
2	68
3	136

What is the growth factor for this fruit-fly population?

[   ]

---

52) Assistment #87837 "87837 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	5	30	180	1080

What is the growth factor for this fruit-fly population?

[   ]

---

53) Assistment #87834 "87834 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

	0	1	2	3

Generation				
Population	6	30	150	750

What is the growth factor for this fruit-fly population?

[   ]

---

54) Assistment #87836 "87836 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 11 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	11	55	275	1375

What is the growth factor for this fruit-fly population?

[   ]

---

55) Assistment #87833 "87833 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	60	300	1500

What is the growth factor for this fruit-fly population?

[   ]

56) Assistment #87835 "87835 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	15	105	735	5145

What is the growth factor for this fruit-fly population?

[   ]

57) Assistment #87838 "87838 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	18	54	162	486

What is the growth factor for this fruit-fly population?

[   ]

58) Assistment #87839 "87839 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 19 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	19	114	684	4104

What is the growth factor for this fruit-fly population?

---

59) Assistment #87843 "87843 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 2 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	2	10	50	250

What is the growth factor for this fruit-fly population?

---

60) Assistment #87840 "87840 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	24	72	216

What is the growth factor for this fruit-fly population?

---

61) Assistment #87844 "87844 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 17 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	17	102	612	3672

What is the growth factor for this fruit-fly population?

[ ]

---

62) Assistment #87842 "87842 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 2 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	2	6	18	54

What is the growth factor for this fruit-fly population?

[ ]

---

63) Assistment #87841 "87841 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 2 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	2	14	98	686

What is the growth factor for this fruit-fly population?

[ ]

64) Assistment #87845 "87845 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	32	64	128

What is the growth factor for this fruit-fly population?

65) Assistment #87846 "87846 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	40	200	1000

What is the growth factor for this fruit-fly population?

66) Assistment #87847 "87847 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	18	144	1152	9216

What is the growth factor for this fruit-fly population?

[ ]

67) Assistment #87850 "87850 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 19 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	19	152	1216	9728

What is the growth factor for this fruit-fly population?

[ ]

68) Assistment #87849 "87849 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	13	52	208	832

What is the growth factor for this fruit-fly population?

[ ]

69) Assistment #87848 "87848 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 11 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

299

Generation	0	1	2	3
Population	11	33	99	297

What is the growth factor for this fruit-fly population?

---

70) Assistment #87851 "87851 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	36	108	324

What is the growth factor for this fruit-fly population?

---

71) Assistment #87854 "87854 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	5	25	125	625

What is the growth factor for this fruit-fly population?

72) Assistment #87852 "87852 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	64	512	4096

What is the growth factor for this fruit-fly population?

---

73) Assistment #87853 "87853 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	6	12	24	48

What is the growth factor for this fruit-fly population?

---

74) Assistment #87856 "87856 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
	18	144	1152	9216

Population				

What is the growth factor for this fruit-fly population?

[   ]

---

75) Assistment #87855 "87855 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	14	56	224	896

What is the growth factor for this fruit-fly population?

[   ]

---

76) Assistment #87857 "87857 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	56	392	2744

What is the growth factor for this fruit-fly population?

[   ]

---

77) Assistment #87858 "87858 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 17 flies and mutiplied exponentially through 3 generations. The data

is shown in the table below.

Generation	0	1	2	3
Population	17	119	833	5831

What is the growth factor for this fruit-fly population?

[   ]

---

78) Assistment #87862 "87862 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 9 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	9	27	81	243

What is the growth factor for this fruit-fly population?

[   ]

---

79) Assistment #87859 "87859 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	10	40	160	640

What is the growth factor for this fruit-fly population?

---

80) Assistment #87860 "87860 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 20 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	20	100	500	2500

What is the growth factor for this fruit-fly population?

---

81) Assistment #87861 "87861 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	10	30	90	270

What is the growth factor for this fruit-fly population?

---

82) Assistment #87863 "87863 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 19 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3

Population	19	95	475	2375

What is the growth factor for this fruit-fly population?

[   ]

---

83) Assistment #87865 "87865 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	15	120	960	7680

What is the growth factor for this fruit-fly population?

[   ]

---

84) Assistment #87864 "87864 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	14	98	686	4802

What is the growth factor for this fruit-fly population?

[   ]

---

85) Assistment #87866 "87866 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	10	50	250	1250

What is the growth factor for this fruit-fly population?

[ ]

---

86) Assistment #87868 "87868 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 1 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	1	4	16	64

What is the growth factor for this fruit-fly population?

[ ]

---

87) Assistment #87867 "87867 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	32	128	512

What is the growth factor for this fruit-fly population?

---

88) Assistment #87869 "87869 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 17 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	17	34	68	136

What is the growth factor for this fruit-fly population?

---

89) Assistment #87872 "87872 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 17 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	17	119	833	5831

What is the growth factor for this fruit-fly population?

---

90) Assistment #87870 "87870 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3

Population	15	75	375	1875

What is the growth factor for this fruit-fly population?

[ ]

---

91) Assistment #87871 "87871 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	14	28	56	112

What is the growth factor for this fruit-fly population?

[ ]

---

92) Assistment #87874 "87874 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	13	52	208	832

What is the growth factor for this fruit-fly population?

[ ]

93) Assistment #87873 "87873 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	72	432	2592

What is the growth factor for this fruit-fly population?

---

94) Assistment #87875 "87875 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	5	40	320	2560

What is the growth factor for this fruit-fly population?

---

95) Assistment #87877 "87877 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	10	30	90	270

What is the growth factor for this fruit-fly population?

[   ]

---

96) Assistment #87878 "87878 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	48	192	768

What is the growth factor for this fruit-fly population?

[   ]

---

97) Assistment #87876 "87876 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	7	42	252	1512

What is the growth factor for this fruit-fly population?

[   ]

---

98) Assistment #87879 "87879 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

	0	1	2	3

Generation				
Population	16	32	64	128

What is the growth factor for this fruit-fly population?

[   ]

---

99) Assistment #87880 "87880 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	13	78	468	2808

What is the growth factor for this fruit-fly population?

[   ]

---

100) Assistment #87881 "87881 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	3	12	48	192

What is the growth factor for this fruit-fly population?

[   ]

101) Assistment #87882 "87882 - 82685 - 5a Horizontal Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	7	28	112	448

What is the growth factor for this fruit-fly population?

[   ]

102) Assistment #84634 "84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○   Okay

103) Assistment #41785 "41785 - Page 26 #5b"

Page 26 #5b

[   ]

104) Assistment #87320 "87320 - 82690 - 5b vertical"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	4
1	16
2	64
3	256
...	...

7	?

 Given the growth factor is 4
What will be the population at Generation 7

[   ]

---

105) Assistment #87321 "87321 - 82690 - 5b vertical"

 A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	4
1	16
2	64
3	256
...	...
6	?

 Given the growth factor is 4
What will be the population at Generation 6

[   ]

---

106) Assistment #87322 "87322 - 82690 - 5b vertical"

 A fruit-fly population started from 2 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population

0	2
1	4
2	8
3	16
...	...
7	?

Given the growth factor is 2
What will be the population at Generation 7

[   ]

---

107) Assistment #87323 "87323 - 82690 - 5b vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	5
1	25
2	125
3	625
...	...

5	?

Given the growth factor is 5
What will be the population at Generation 5

---

108) Assistment #87324 "87324 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	40
2	200
3	1000
...	...
7	?

Given the growth factor is 5
What will be the population at Generation 7

---

109) Assistment #87325 "87325 - 82690 - 5b vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population

0	7
1	21
2	63
3	189
...	...
5	?

Given the growth factor is 3
What will be the population at Generation 5

---

110) Assistment #87326 "87326 - 82690 - 5b vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	6
1	30
2	150
3	750
...	...

7	?

Given the growth factor is 5
What will be the population at Generation 7

[ ]

---

111) Assistment #87327 "87327 - 82690 - 5b vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	9
1	45
2	225
3	1125
...	...
7	?

Given the growth factor is 5
What will be the population at Generation 7

[ ]

---

112) Assistment #87318 "87318 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population

0	3
1	18
2	108
3	648
...	...
6	?

Given the growth factor is 6
What will be the population at Generation 6

[   ]

---

113) Assistment #87319 "87319 - 82690 - 5b vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	6
1	24
2	96
3	384
...	...

7	?

Given the growth factor is 4
What will be the population at Generation 7

[   ]

---

114) Assistment #87298 "87298 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	3
1	6
2	12
3	24
...	...
6	?

Given the growth factor is 2
What will be the population at Generation 6

[   ]

---

115) Assistment #87277 "87277 - 82690 - 5b vertical"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

A fruit-fly population started from %v{a} flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	%v{gen1}
1	%v{gen2}
2	%v{gen3}
3	%v{gen4}
...	...
%v{genx}	?

 Given the growth factor is %v{b}
What will be the population at Generation %v{genx}

---

116) Assistment #87280 "87280 - 82690 - 5b vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
The Data is shown in the table below

	Population

Generation	
0	5
1	15
2	45
3	135
...	...
7	?

Given the growth factor is 3
What will be the population at Generation 7

---

117) Assistment #87292 "87292 - 82690 - 5b vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	5
1	15
2	45
3	135

...	...
6	?

Given the growth factor is 3
What will be the population at Generation 6

---

118) Assistment #87287 "87287 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	3
1	12
2	48
3	192
...	...
5	?

Given the growth factor is 4
What will be the population at Generation 5

---

119) Assistment #87279 "87279 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	48
2	288
3	1728
...	...
6	?

 Given the growth factor is 6
What will be the population at Generation 6

[   ]

---

120) Assistment #87296 "87296 - 82690 - 5b vertical"

 A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	5
1	15
2	45
3	135

...	...
6	?

 Given the growth factor is 3
What will be the population at Generation 6

---

121) Assistment #87290 "87290 - 82690 - 5b vertical"

 A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	1
1	3
2	9
3	27
...	...
6	?

 Given the growth factor is 3
What will be the population at Generation 6

---

122) Assistment #87301 "87301 - 82690 - 5b vertical"

 A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	6
1	24
2	96
3	384
...	...
5	?

Given the growth factor is 4
What will be the population at Generation 5

---

123) Assistment #87295 "87295 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	3
1	15
2	75
3	375

...	...
5	?

 Given the growth factor is 5
What will be the population at Generation 5

[   ]

---

124) Assistment #87285 "87285 - 82690 - 5b vertical"

 A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	8
1	40
2	200
3	1000
...	...
5	?

 Given the growth factor is 5
What will be the population at Generation 5

[   ]

---

125) Assistment #87308 "87308 - 82690 - 5b vertical"

 A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	1
1	5
2	25
3	125
...	...
6	?

Given the growth factor is 5
What will be the population at Generation 6

[   ]

---

126) Assistment #87294 "87294 - 82690 - 5b vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	7
1	42
2	252
3	1512

...	...
7	?

Given the growth factor is 6
What will be the population at Generation 7

[ ]

---

127) Assistment #87306 "87306 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	3
1	6
2	12
3	24
...	...
7	?

Given the growth factor is 2
What will be the population at Generation 7

[ ]

---

128) Assistment #87289 "87289 - 82690 - 5b vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	1
1	2
2	4
3	8
...	...
7	?

 Given the growth factor is 2
What will be the population at Generation 7

[   ]

---

129) Assistment #87300 "87300 - 82690 - 5b vertical"

 A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	7
1	21
2	63
3	189

...	...
6	?

 Given the growth factor is 3
What will be the population at Generation 6

---

130) Assistment #87313 "87313 - 82690 - 5b vertical"

 A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	8
1	16
2	32
3	64
...	...
6	?

 Given the growth factor is 2
What will be the population at Generation 6

---

131) Assistment #87305 "87305 - 82690 - 5b vertical"

 A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	7
1	21
2	63
3	189
...	...
5	?

Given the growth factor is 3
What will be the population at Generation 5

[ ]

---

132) Assistment #87283 "87283 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	48
2	288
3	1728

...	...
5	?

 Given the growth factor is 6
What will be the population at Generation 5

[_____]

---

133) Assistment #87309 "87309 - 82690 - 5b vertical"

 A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	10
1	60
2	360
3	2160
...	...
5	?

 Given the growth factor is 6
What will be the population at Generation 5

[_____]

---

134) Assistment #87291 "87291 - 82690 - 5b vertical"

 A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	1
1	5
2	25
3	125
...	...
6	?

Given the growth factor is 5
What will be the population at Generation 6

[   ]

---

135) Assistment #87286 "87286 - 82690 - 5b vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	10
1	50
2	250
3	1250

...	...
6	?

Given the growth factor is 5
What will be the population at Generation 6

---

136) Assistment #87299 "87299 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	32
2	128
3	512
...	...
6	?

Given the growth factor is 4
What will be the population at Generation 6

---

137) Assistment #87312 "87312 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	48
2	288
3	1728
...	...
7	?

 Given the growth factor is 6
What will be the population at Generation 7

---

138) Assistment #87302 "87302 - 82690 - 5b vertical"

 A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
 The Data is shown in the table below

Generation	Population
0	6
1	30
2	150
3	750

...	...
6	?

Given the growth factor is 5
What will be the population at Generation 6

[   ]

---

139) Assistment #87304 "87304 - 82690 - 5b vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	9
1	54
2	324
3	1944
...	...
6	?

Given the growth factor is 6
What will be the population at Generation 6

[   ]

---

140) Assistment #87282 "87282 - 82690 - 5b vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	6
1	18
2	54
3	162
...	...
7	?

Given the growth factor is 3
What will be the population at Generation 7

[_____]

---

141) Assistment #87293 "87293 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	3
1	15
2	75
3	375

...	...
6	?

Given the growth factor is 5
What will be the population at Generation 6

[   ]

---

142) Assistment #87317 "87317 - 82690 - 5b vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	9
1	18
2	36
3	72
...	...
5	?

Given the growth factor is 2
What will be the population at Generation 5

[   ]

---

143) Assistment #87297 "87297 - 82690 - 5b vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	7
1	42
2	252
3	1512
...	...
6	?

Given the growth factor is 6
What will be the population at Generation 6

144) Assistment #87311 "87311 - 82690 - 5b vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	1
1	6
2	36
3	216

...	...
7	?

Given the growth factor is 6
What will be the population at Generation 7

---

145) Assistment #87315 "87315 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	40
2	200
3	1000
...	...
7	?

Given the growth factor is 5
What will be the population at Generation 7

---

146) Assistment #87310 "87310 - 82690 - 5b vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	4
1	12
2	36
3	108
...	...
7	?

Given the growth factor is 3
What will be the population at Generation 7

[ ]

---

147) Assistment #87314 "87314 - 82690 - 5b vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	4
1	12
2	36
3	108

...	...
7	?

Given the growth factor is 3
What will be the population at Generation 7

[   ]

---

148) Assistment #87303 "87303 - 82690 - 5b vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	9
1	36
2	144
3	576
...	...
5	?

Given the growth factor is 4
What will be the population at Generation 5

[   ]

---

149) Assistment #87281 "87281 - 82690 - 5b vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	10
1	50
2	250
3	1250
...	...
5	?

Given the growth factor is 5
What will be the population at Generation 5

---

150) Assistment #87316 "87316 - 82690 - 5b vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	5
1	25
2	125
3	625

...	...
7	?

Given the growth factor is 5
What will be the population at Generation 7

[   ]

---

151) Assistment #87307 "87307 - 82690 - 5b vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	7
1	14
2	28
3	56
...	...
7	?

Given the growth factor is 2
What will be the population at Generation 7

[   ]

---

152) Assistment #87284 "87284 - 82690 - 5b vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	6
1	30
2	150
3	750
...	...
7	?

Given the growth factor is 5
What will be the population at Generation 7

[ ]

---

153) Assistment #87288 "87288 - 82690 - 5b vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	3
1	6
2	12
3	24

...	...
6	?

Given the growth factor is 2
What will be the population at Generation 6

[   ]

---

154) Assistment #87278 "87278 - 82690 - 5b vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations
The Data is shown in the table below

Generation	Population
0	8
1	24
2	72
3	216
...	...
6	?

Given the growth factor is 3
What will be the population at Generation 6

[   ]

---

155) Assistment #87883 "87883 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 19 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	19	133	931	6517

Given the growth factor is 7
What will be the population at Generation 5

[   ]

---

156) Assistment #87885 "87885 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	128	1024	8192

Given the growth factor is 8
What will be the population at Generation 5

[   ]

---

157) Assistment #87884 "87884 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 15 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	15	105	735	5145

Given the growth factor is 7

What will be the population at Generation 6

[ ]

---

158) Assistment #87887 "87887 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 4 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	4	8	16	32

Given the growth factor is 2
What will be the population at Generation 7

[ ]

---

159) Assistment #87886 "87886 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	14	84	504	3024

Given the growth factor is 6
What will be the population at Generation 7

[ ]

---

160) Assistment #87888 "87888 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	6	48	384	3072

Given the growth factor is 8
What will be the population at Generation 7

[   ]

---

161) Assistment #87889 "87889 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	96	576	3456

Given the growth factor is 6
What will be the population at Generation 5

[   ]

---

162) Assistment #87890 "87890 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	36	108	324

Given the growth factor is 3

What will be the population at Generation 6

[   ]

---

163) Assistment #87893 "87893 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	13	26	52	104

Given the growth factor is 2
What will be the population at Generation 5

[   ]

---

164) Assistment #87892 "87892 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 2 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	2	8	32	128

Given the growth factor is 4
What will be the population at Generation 7

[   ]

---

165) Assistment #87891 "87891 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	3	12	48	192

Given the growth factor is 4
What will be the population at Generation 5

---

166) Assistment #87894 "87894 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	64	512	4096

Given the growth factor is 8
What will be the population at Generation 7

---

167) Assistment #87895 "87895 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 11 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	11	66	396	2376

Given the growth factor is 6

What will be the population at Generation 6

```
┌──────────────┐
│              │
└──────────────┘
```

---

168) Assistment #87896 "87896 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 17 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	17	51	153	459

Given the growth factor is 3
What will be the population at Generation 6

```
┌──────────────┐
│              │
└──────────────┘
```

---

169) Assistment #87897 "87897 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 1 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	1	8	64	512

Given the growth factor is 8
What will be the population at Generation 5

```
┌──────────────┐
│              │
└──────────────┘
```

---

170) Assistment #87899 "87899 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	10	50	250	1250

Given the growth factor is 5
What will be the population at Generation 5

171) Assistment #87898 "87898 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	14	84	504	3024

Given the growth factor is 6
What will be the population at Generation 7

172) Assistment #87900 "87900 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	5	25	125	625

Given the growth factor is 5

What will be the population at Generation 5

[ ]

---

173) Assistment #87901 "87901 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	7	56	448	3584

Given the growth factor is 8
What will be the population at Generation 7

[ ]

---

174) Assistment #87902 "87902 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 1 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	1	3	9	27

Given the growth factor is 3
What will be the population at Generation 7

[ ]

---

175) Assistment #87903 "87903 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	64	512	4096

Given the growth factor is 8
What will be the population at Generation 5

[   ]

---

176) Assistment #87904 "87904 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	13	52	208	832

Given the growth factor is 4
What will be the population at Generation 5

[   ]

---

177) Assistment #87907 "87907 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 13 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	13	39	117	351

Given the growth factor is 3

What will be the population at Generation 5

[ ]

---

178) Assistment #87905 "87905 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	6	12	24	48

Given the growth factor is 2
What will be the population at Generation 5

[ ]

---

179) Assistment #87906 "87906 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	84	588	4116

Given the growth factor is 7
What will be the population at Generation 7

[ ]

---

180) Assistment #87908 "87908 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	96	576	3456

Given the growth factor is 6
What will be the population at Generation 6

---

181) Assistment #87909 "87909 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 9 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	9	63	441	3087

Given the growth factor is 7
What will be the population at Generation 5

---

182) Assistment #87911 "87911 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 9 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	9	54	324	1944

Given the growth factor is 6

What will be the population at Generation 5

[   ]

---

183) Assistment #87910 "87910 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	48	288	1728

Given the growth factor is 6
What will be the population at Generation 6

[   ]

---

184) Assistment #87913 "87913 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	5	40	320	2560

Given the growth factor is 8
What will be the population at Generation 7

[   ]

---

185) Assistment #87912 "87912 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 9 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	9	72	576	4608

Given the growth factor is 8
What will be the population at Generation 5

---

186) Assistment #87914 "87914 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 6 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	6	12	24	48

Given the growth factor is 2
What will be the population at Generation 7

---

187) Assistment #87916 "87916 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	3	6	12	24

Given the growth factor is 2

What will be the population at Generation 5

[   ]

---

188) Assistment #87915 "87915 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	7	14	28	56

Given the growth factor is 2
What will be the population at Generation 7

[   ]

---

189) Assistment #87918 "87918 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 12 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	12	36	108	324

Given the growth factor is 3
What will be the population at Generation 7

[   ]

---

190) Assistment #87919 "87919 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

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Generation	0	1	2	3
Population	7	14	28	56

Given the growth factor is 2
What will be the population at Generation 7

> [   ]

---

191) Assistment #87917 "87917 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 3 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	3	21	147	1029

Given the growth factor is 7
What will be the population at Generation 5

> [   ]

---

192) Assistment #87920 "87920 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 11 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	11	33	99	297

Given the growth factor is 3

What will be the population at Generation 7

> [   ]

---

193) Assistment #87921 "87921 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 7 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	7	28	112	448

Given the growth factor is 4
What will be the population at Generation 7

> [   ]

---

194) Assistment #87922 "87922 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 2 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	2	8	32	128

Given the growth factor is 4
What will be the population at Generation 5

> [   ]

---

195) Assistment #87925 "87925 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	80	400	2000

Given the growth factor is 5
What will be the population at Generation 6

[   ]

---

196) Assistment #87923 "87923 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 10 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	10	70	490	3430

Given the growth factor is 7
What will be the population at Generation 5

[   ]

---

197) Assistment #87924 "87924 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 18 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	18	36	72	144

Given the growth factor is 2

What will be the population at Generation 5

[ ]

---

198) Assistment #87926 "87926 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 14 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	14	56	224	896

Given the growth factor is 4
What will be the population at Generation 6

[ ]

---

199) Assistment #87928 "87928 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 8 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	8	32	128	512

Given the growth factor is 4
What will be the population at Generation 5

[ ]

---

200) Assistment #87929 "87929 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 9 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	9	72	576	4608

Given the growth factor is 8
What will be the population at Generation 5

---

201) Assistment #87927 "87927 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	64	256	1024

Given the growth factor is 4
What will be the population at Generation 5

---

202) Assistment #87931 "87931 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 5 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	5	20	80	320

Given the growth factor is 4

What will be the population at Generation 5

---

203) Assistment #87930 "87930 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 16 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	16	80	400	2000

Given the growth factor is 5
What will be the population at Generation 5

---

204) Assistment #87932 "87932 - 85729 - 5b Horizontal Table"

A fruit-fly population started with 1 flies and mutiplied exponentially through 3 generations. The data is shown in the table below.

Generation	0	1	2	3
Population	1	7	49	343

Given the growth factor is 7
What will be the population at Generation 7

---

205) Assistment #87576 "87576 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

    ○   Okay

---

206) Assistment #41786 "41786 - Page 26 #5c"

Page 26 #5c
Write your equation using the variables p for population and g for generation.

For your answer fill in the blank p = _____

[   ]

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207) Assistment #87934 "87934 - 85740 - 5c horizontal"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if

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you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	6	18	54	162

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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208) Assistment #87935 "87935 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	20	40	80

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

```
                  
```

209) Assistment #87936 "87936 - 85740 - 5c horizontal"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	1	6	36	216

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

210) Assistment #87937 "87937 - 85740 - 5c horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	2	12	72	432

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

211) Assistment #87938 "87938 - 85740 - 5c horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3

Population	7	21	63	189

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

212) Assistment #87933 "87933 - 85740 - 5c horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	4	12	36	108

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

213) Assistment #87939 "87939 - 85740 - 5c horizontal"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	1	2	4	8

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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┌─────────────┐
│             │
└─────────────┘
```

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214) Assistment #87942 "87942 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	20	40	80

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

```
┌─────────────┐
│             │
└─────────────┘
```

---

215) Assistment #87940 "87940 - 85740 - 5c horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	7	28	112	448

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

[ ]

---

216) Assistment #87941 "87941 - 85740 - 5c horizontal"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	6	18	54	162

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

217) Assistment #87943 "87943 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	40	160	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

218) Assistment #87944 "87944 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	50	250	1250

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

219) Assistment #87945 "87945 - 85740 - 5c horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	3	15	75	375

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

220) Assistment #87946 "87946 - 85740 - 5c horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	3	15	75	375

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

221) Assistment #87947 "87947 - 85740 - 5c horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	3	15	75	375

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

222) Assistment #87948 "87948 - 85740 - 5c horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3

Population	4	20	100	500

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

223) Assistment #87949 "87949 - 85740 - 5c horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	5	25	125	625

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

224) Assistment #87950 "87950 - 85740 - 5c horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	4	24	144	864

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[   ]

---

225) Assistment #87951 "87951 - 85740 - 5c horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	8	40	200	1000

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[   ]

---

226) Assistment #87952 "87952 - 85740 - 5c horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	9	18	36	72

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

[ ]

---

227) Assistment #87955 "87955 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	30	90	270

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

228) Assistment #87953 "87953 - 85740 - 5c horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	7	14	28	56

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

229) Assistment #87954 "87954 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	50	250	1250

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

230) Assistment #87956 "87956 - 85740 - 5c horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	9	36	144	576

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

231) Assistment #87957 "87957 - 85740 - 5c horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	3	6	12	24

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

232) Assistment #87960 "87960 - 85740 - 5c horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	7	35	175	875

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

233) Assistment #87959 "87959 - 85740 - 5c horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3

Population	3	9	27	81

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

234) Assistment #87961 "87961 - 85740 - 5c horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	2	6	18	54

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

235) Assistment #87958 "87958 - 85740 - 5c horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	3	9	27	81

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

236) Assistment #87962 "87962 - 85740 - 5c horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	9	27	81	243

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

237) Assistment #87963 "87963 - 85740 - 5c horizontal"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	6	18	54	162

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

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Note: Please do not include y= in the answer

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[                    ]
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238) Assistment #87966 "87966 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	40	160	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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[                    ]
```

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239) Assistment #87965 "87965 - 85740 - 5c horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	9	27	81	243

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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[                    ]
```

240) Assistment #87964 "87964 - 85740 - 5c horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	4	24	144	864

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

_____

241) Assistment #87967 "87967 - 85740 - 5c horizontal"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	6	12	24	48

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

_____

242) Assistment #87969 "87969 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	50	250	1250

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

243) Assistment #87968 "87968 - 85740 - 5c horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	5	25	125	625

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

244) Assistment #87971 "87971 - 85740 - 5c horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3

Population	8	48	288	1728

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

245) Assistment #87970 "87970 - 85740 - 5c horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	5	20	80	320

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

246) Assistment #87972 "87972 - 85740 - 5c horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	7	35	175	875

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

---

247) Assistment #87973 "87973 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	40	160	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

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248) Assistment #87974 "87974 - 85740 - 5c horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	9	36	144	576

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

[ ]

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249) Assistment #87975 "87975 - 85740 - 5c horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	8	48	288	1728

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

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250) Assistment #87978 "87978 - 85740 - 5c horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	10	40	160	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

251) Assistment #87977 "87977 - 85740 - 5c horizontal"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	1	2	4	8

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

_____

252) Assistment #87976 "87976 - 85740 - 5c horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	8	16	32	64

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

_____

253) Assistment #87979 "87979 - 85740 - 5c horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	2	6	18	54

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

254) Assistment #87980 "87980 - 85740 - 5c horizontal"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	1	3	9	27

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

255) Assistment #87981 "87981 - 85740 - 5c horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3

| Population | 7 | 21 | 63 | 189 |

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

256) Assistment #87982 "87982 - 85740 - 5c horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Data is shown in the table below

Generation	0	1	2	3
Population	8	40	200	1000

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

257) Assistment #87985 "87985 - 82793 - 5c vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	10
1	40

2	160
3	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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258) Assistment #87984 "87984 - 82793 - 5c vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	9
1	36
2	144
3	576

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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259) Assistment #87983 "87983 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	1
1	6
2	36
3	216

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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260) Assistment #87987 "87987 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	5
1	20
2	80

3	320

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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261) Assistment #87986 "87986 - 82793 - 5c vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	3
1	12
2	48
3	192

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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262) Assistment #87988 "87988 - 82793 - 5c vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	9
1	45
2	225
3	1125

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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263) Assistment #87990 "87990 - 82793 - 5c vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	3
1	12
2	48
3	192

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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264) Assistment #87989 "87989 - 82793 - 5c vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	7
1	14
2	28
3	56

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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265) Assistment #87992 "87992 - 82793 - 5c vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
	10

0	
1	40
2	160
3	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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266) Assistment #87991 "87991 - 82793 - 5c vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	3
1	9
2	27
3	81

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

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267) Assistment #87993 "87993 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	1
1	5
2	25
3	125

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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268) Assistment #87994 "87994 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	1
1	2

2	4
3	8

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

269) Assistment #87995 "87995 - 82793 - 5c vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	10
1	50
2	250
3	1250

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

270) Assistment #87996 "87996 - 82793 - 5c vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	10
1	30
2	90
3	270

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

271) Assistment #87997 "87997 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	5
1	20
2	80

3	320

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

272) Assistment #87998 "87998 - 82793 - 5c vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	10
1	40
2	160
3	640

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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273) Assistment #88000 "88000 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	1
1	2
2	4
3	8

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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274) Assistment #87999 "87999 - 82793 - 5c vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	2
1	6
2	18
3	54

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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275) Assistment #88002 "88002 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	5
1	10
2	20
3	40

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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276) Assistment #88001 "88001 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
	1

0	
1	5
2	25
3	125

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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277) Assistment #88003 "88003 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	1
1	3
2	9
3	27

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

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278) Assistment #88004 "88004 - 82793 - 5c vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	6
1	24
2	96
3	384

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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279) Assistment #88005 "88005 - 82793 - 5c vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	7
1	42

2	252
3	1512

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

280) Assistment #88007 "88007 - 82793 - 5c vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	2
1	12
2	72
3	432

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

281) Assistment #88008 "88008 - 82793 - 5c vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	6
1	24
2	96
3	384

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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282) Assistment #88006 "88006 - 82793 - 5c vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	4
1	12
2	36

3	108

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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283) Assistment #88009 "88009 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	5
1	10
2	20
3	40

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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284) Assistment #88010 "88010 - 82793 - 5c vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	4
1	24
2	144
3	864

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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285) Assistment #88011 "88011 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	5
1	20
2	80
3	320

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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286) Assistment #88012 "88012 - 82793 - 5c vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	2
1	4
2	8
3	16

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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287) Assistment #88013 "88013 - 82793 - 5c vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
	7

0	
1	42
2	252
3	1512

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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288) Assistment #88014 "88014 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	5
1	10
2	20
3	40

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

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289) Assistment #88015 "88015 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	5
1	25
2	125
3	625

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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290) Assistment #88016 "88016 - 82793 - 5c vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	4
1	8

2	16
3	32

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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291) Assistment #88017 "88017 - 82793 - 5c vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	4
1	12
2	36
3	108

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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292) Assistment #88018 "88018 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	1
1	3
2	9
3	27

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

293) Assistment #88020 "88020 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	5
1	10
2	20

3	40

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

294) Assistment #88019 "88019 - 82793 - 5c vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	6
1	24
2	96
3	384

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

295) Assistment #88021 "88021 - 82793 - 5c vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	6
1	12
2	24
3	48

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

296) Assistment #88022 "88022 - 82793 - 5c vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	9
1	27
2	81
3	243

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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297) Assistment #88023 "88023 - 82793 - 5c vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	9
1	18
2	36
3	72

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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---

298) Assistment #88024 "88024 - 82793 - 5c vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
	2

0	
1	12
2	72
3	432

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

_____

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299) Assistment #88026 "88026 - 82793 - 5c vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations
 Data is shown in the table below

Generation	Population
0	9
1	45
2	225
3	1125

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____

Note: Please do not include y= in the answer

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300) Assistment #88025 "88025 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	1
1	2
2	4
3	8

Given the growth factor is 2

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[ ]

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301) Assistment #88027 "88027 - 82793 - 5c vertical"

A fruit-fly population started from 1 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	1
1	4

2	16
3	64

Given the growth factor is 4

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

302) Assistment #88028 "88028 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	5
1	30
2	180
3	1080

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

303) Assistment #88030 "88030 - 82793 - 5c vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	3
1	9
2	27
3	81

Given the growth factor is 3

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

304) Assistment #88031 "88031 - 82793 - 5c vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	10
1	50
2	250

3	1250

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

---

305) Assistment #88032 "88032 - 82793 - 5c vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	5
1	25
2	125
3	625

Given the growth factor is 5

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

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306) Assistment #88029 "88029 - 82793 - 5c vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations
Data is shown in the table below

Generation	Population
0	7
1	42
2	252
3	1512

Given the growth factor is 6

What would be the equation that represents the fly population at generation n.

Write your answer in the form y = _____
Note: Please do not include y= in the answer

[   ]

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307) Assistment #87573 "87573 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○   Okay

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308) Assistment #41787 "41787 - Page 26 #5d"
Page 26 #5d Your answer will be a whole number of generations.

309) Assistment #88033 "88033 - 85742 - 5d horizontal"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 1852972

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310) Assistment #88036 "88036 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 6912

311) Assistment #88038 "88038 - 85742 - 5d horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 23438

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312) Assistment #88034 "88034 - 85742 - 5d horizontal"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 25781

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313) Assistment #88035 "88035 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 4941258

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314) Assistment #88037 "88037 - 85742 - 5d horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 410156

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315) Assistment #88039 "88039 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 113447

316) Assistment #88040 "88040 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 314928

317) Assistment #88041 "88041 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 1679616

318) Assistment #88042 "88042 - 85742 - 5d horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 3072

319) Assistment #88044 "88044 - 85742 - 5d horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 410156

320) Assistment #88043 "88043 - 85742 - 5d horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 8201

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321) Assistment #88045 "88045 - 85742 - 5d horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 37816

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322) Assistment #88046 "88046 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 6144

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323) Assistment #88047 "88047 - 85742 - 5d horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 176474

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324) Assistment #88049 "88049 - 85742 - 5d horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 3827

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325) Assistment #88050 "88050 - 85742 - 5d horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 12288

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326) Assistment #88048 "88048 - 85742 - 5d horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 234375

☐

327) Assistment #88051 "88051 - 85742 - 5d horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 37816

☐

328) Assistment #88054 "88054 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 705894

☐

329) Assistment #88053 "88053 - 85742 - 5d horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 349920

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330) Assistment #88055 "88055 - 85742 - 5d horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 15360

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331) Assistment #88052 "88052 - 85742 - 5d horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 69984

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332) Assistment #88056 "88056 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 1458

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333) Assistment #88057 "88057 - 85742 - 5d horizontal"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 9842

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334) Assistment #88061 "88061 - 85742 - 5d horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 729

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335) Assistment #88060 "88060 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 527344

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336) Assistment #88058 "88058 - 85742 - 5d horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 58320

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337) Assistment #88059 "88059 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 27648

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338) Assistment #88062 "88062 - 85742 - 5d horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 1536

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339) Assistment #88063 "88063 - 85742 - 5d horizontal"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 644531

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340) Assistment #88064 "88064 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 46656

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341) Assistment #88067 "88067 - 85742 - 5d horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 37816

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342) Assistment #88065 "88065 - 85742 - 5d horizontal"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 49152

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343) Assistment #88066 "88066 - 85742 - 5d horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 63026

[ ]

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344) Assistment #88068 "88068 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 14762

[ ]

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345) Assistment #88070 "88070 - 85742 - 5d horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 16403

[ ]

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346) Assistment #88069 "88069 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 52488

[ ]

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347) Assistment #88071 "88071 - 85742 - 5d horizontal"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 529421

[ ]

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348) Assistment #88072 "88072 - 85742 - 5d horizontal"

432

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 11664

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349) Assistment #88074 "88074 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 24576

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350) Assistment #88073 "88073 - 85742 - 5d horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 6144

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351) Assistment #88076 "88076 - 85742 - 5d horizontal"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 209952

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352) Assistment #88075 "88075 - 85742 - 5d horizontal"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 14762

353) Assistment #88078 "88078 - 85742 - 5d horizontal"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 1536

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354) Assistment #88077 "88077 - 85742 - 5d horizontal"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 30720

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355) Assistment #88079 "88079 - 85742 - 5d horizontal"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 93750

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356) Assistment #88080 "88080 - 85742 - 5d horizontal"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 63026

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357) Assistment #88081 "88081 - 85742 - 5d horizontal"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 36864

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358) Assistment #88082 "88082 - 85742 - 5d horizontal"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 88237

> [ ]

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359) Assistment #88083 "88083 - 85298 - 5d vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 1235315

> [ ]

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360) Assistment #88084 "88084 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 794131

> [ ]

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361) Assistment #88086 "88086 - 85298 - 5d vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 419904

> [ ]

362) Assistment #88085 "88085 - 85298 - 5d vertical"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 138658

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363) Assistment #88088 "88088 - 85298 - 5d vertical"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 2309472

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364) Assistment #88087 "88087 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 6561

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365) Assistment #88089 "88089 - 85298 - 5d vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 1458

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366) Assistment #88090 "88090 - 85298 - 5d vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 6144

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367) Assistment #88091 "88091 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 6561

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368) Assistment #88092 "88092 - 85298 - 5d vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 175781

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369) Assistment #88093 "88093 - 85298 - 5d vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 61440

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370) Assistment #88094 "88094 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 839808

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371) Assistment #88095 "88095 - 85298 - 5d vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 58594

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372) Assistment #88097 "88097 - 85298 - 5d vertical"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 970604

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373) Assistment #88096 "88096 - 85298 - 5d vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 617657

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374) Assistment #88098 "88098 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 27648

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375) Assistment #88099 "88099 - 85298 - 5d vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 1094

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376) Assistment #88101 "88101 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 14762

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377) Assistment #88100 "88100 - 85298 - 5d vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 29160

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378) Assistment #88103 "88103 - 85298 - 5d vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 24576

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379) Assistment #88102 "88102 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 49152

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380) Assistment #88104 "88104 - 85298 - 5d vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 3088286

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381) Assistment #88105 "88105 - 85298 - 5d vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 9842

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382) Assistment #88107 "88107 - 85298 - 5d vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 1094

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383) Assistment #88106 "88106 - 85298 - 5d vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 617657

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384) Assistment #88108 "88108 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 3072

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385) Assistment #88109 "88109 - 85298 - 5d vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 585938

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386) Assistment #88110 "88110 - 85298 - 5d vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 6176573

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387) Assistment #88111 "88111 - 85298 - 5d vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 1679616

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388) Assistment #88113 "88113 - 85298 - 5d vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 117188

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389) Assistment #88112 "88112 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 23328

390) Assistment #88114 "88114 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 794131

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391) Assistment #88115 "88115 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 314928

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392) Assistment #88116 "88116 - 85298 - 5d vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 73728

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393) Assistment #88117 "88117 - 85298 - 5d vertical"

A fruit-fly population started from 4 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 352947

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394) Assistment #88118 "88118 - 85298 - 5d vertical"

A fruit-fly population started from 2 flies and mutiplied exponentially through several generations

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Given the growth factor is 6

At which generation will the population exceed 69984

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395) Assistment #88119 "88119 - 85298 - 5d vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 13122

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396) Assistment #88120 "88120 - 85298 - 5d vertical"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 644531

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397) Assistment #88121 "88121 - 85298 - 5d vertical"

A fruit-fly population started from 7 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 40824

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398) Assistment #88125 "88125 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 113447

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399) Assistment #88123 "88123 - 85298 - 5d vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 61440

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[                    ]
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400) Assistment #88124 "88124 - 85298 - 5d vertical"

A fruit-fly population started from 5 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 292969

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[                    ]
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401) Assistment #88122 "88122 - 85298 - 5d vertical"

A fruit-fly population started from 6 flies and mutiplied exponentially through several generations

Given the growth factor is 5

At which generation will the population exceed 70313

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[                    ]
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402) Assistment #88126 "88126 - 85298 - 5d vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 6176573

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[                    ]
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403) Assistment #88127 "88127 - 85298 - 5d vertical"

A fruit-fly population started from 10 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 882368

404) Assistment #88128 "88128 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 113447

405) Assistment #88130 "88130 - 85298 - 5d vertical"

A fruit-fly population started from 11 flies and mutiplied exponentially through several generations

Given the growth factor is 3

At which generation will the population exceed 2005

406) Assistment #88131 "88131 - 85298 - 5d vertical"

A fruit-fly population started from 3 flies and mutiplied exponentially through several generations

Given the growth factor is 4

At which generation will the population exceed 2304

407) Assistment #88129 "88129 - 85298 - 5d vertical"

A fruit-fly population started from 9 flies and mutiplied exponentially through several generations

Given the growth factor is 6

At which generation will the population exceed 52488

408) Assistment #88132 "88132 - 85298 - 5d vertical"

A fruit-fly population started from 8 flies and mutiplied exponentially through several generations

Given the growth factor is 7

At which generation will the population exceed 4941258

[ ]

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409) Assistment #87572 "87572 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○ Okay

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410) Assistment #41788 "41788 - Page 26 #6a"

Page 26 #6a

[ ]

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411) Assistment #87512 "87512 - 85302 - 6a "

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more

A mice population grew exponentially through several generations, at generation 1, there are 8 mice,

Given the growth factor is 2 what is the initial population?

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412) Assistment #87511 "87511 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 27 mice,

Given the growth factor is 3 what is the initial population?

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413) Assistment #87514 "87514 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 24 mice,

Given the growth factor is 6 what is the initial population?

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414) Assistment #87509 "87509 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 4 mice,

Given the growth factor is 2 what is the initial population?

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415) Assistment #87510 "87510 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 10 mice,

Given the growth factor is 5 what is the initial population?

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416) Assistment #87513 "87513 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 35 mice,

Given the growth factor is 5 what is the initial population?

---

417) Assistment #87515 "87515 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 6 mice,

Given the growth factor is 6 what is the initial population?

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418) Assistment #87516 "87516 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 35 mice,

Given the growth factor is 5 what is the initial population?

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419) Assistment #87517 "87517 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 6 mice,

Given the growth factor is 3 what is the initial population?

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420) Assistment #87518 "87518 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 14 mice,

Given the growth factor is 2 what is the initial population?

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421) Assistment #87519 "87519 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 8 mice,

Given the growth factor is 2 what is the initial population?

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422) Assistment #87520 "87520 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 6 mice,

Given the growth factor is 6 what is the initial population?

[   ]

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423) Assistment #87521 "87521 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 6 mice,

Given the growth factor is 3 what is the initial population?

[   ]

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424) Assistment #87522 "87522 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 36 mice,

Given the growth factor is 6 what is the initial population?

[   ]

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425) Assistment #87524 "87524 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 16 mice,

Given the growth factor is 2 what is the initial population?

[   ]

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426) Assistment #87523 "87523 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 21 mice,

Given the growth factor is 3 what is the initial population?

[   ]

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427) Assistment #87526 "87526 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 20 mice,

Given the growth factor is 2 what is the initial population?

[   ]

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428) Assistment #87525 "87525 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 36 mice,

Given the growth factor is 6 what is the initial population?

[   ]

429) Assistment #87527 "87527 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 2 mice,

Given the growth factor is 2 what is the initial population?

[   ]

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430) Assistment #87528 "87528 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 48 mice,

Given the growth factor is 6 what is the initial population?

[   ]

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431) Assistment #87531 "87531 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 5 mice,

Given the growth factor is 5 what is the initial population?

[   ]

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432) Assistment #87530 "87530 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 54 mice,

Given the growth factor is 6 what is the initial population?

[   ]

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433) Assistment #87529 "87529 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 42 mice,

Given the growth factor is 6 what is the initial population?

[   ]

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434) Assistment #87532 "87532 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 50 mice,

Given the growth factor is 5 what is the initial population?

[   ]

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435) Assistment #87534 "87534 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 12 mice,

Given the growth factor is 3 what is the initial population?

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436) Assistment #87533 "87533 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 10 mice,

Given the growth factor is 5 what is the initial population?

```

```

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437) Assistment #87536 "87536 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 45 mice,

Given the growth factor is 5 what is the initial population?

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438) Assistment #87535 "87535 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 42 mice,

Given the growth factor is 6 what is the initial population?

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439) Assistment #87537 "87537 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 12 mice,

Given the growth factor is 2 what is the initial population?

```

```

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440) Assistment #87538 "87538 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 4 mice,

Given the growth factor is 2 what is the initial population?

```

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441) Assistment #87539 "87539 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 24 mice,

Given the growth factor is 3 what is the initial population?

442) Assistment #87542 "87542 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 18 mice,

Given the growth factor is 6 what is the initial population?

---

443) Assistment #87541 "87541 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 8 mice,

Given the growth factor is 4 what is the initial population?

---

444) Assistment #87540 "87540 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 10 mice,

Given the growth factor is 5 what is the initial population?

---

445) Assistment #87543 "87543 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 12 mice,

Given the growth factor is 4 what is the initial population?

---

446) Assistment #87544 "87544 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 8 mice,

Given the growth factor is 4 what is the initial population?

---

447) Assistment #87546 "87546 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 21 mice,

Given the growth factor is 3 what is the initial population?

---

448) Assistment #87548 "87548 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 24 mice,

Given the growth factor is 3 what is the initial population?

---

449) Assistment #87545 "87545 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 12 mice,

Given the growth factor is 4 what is the initial population?

---

450) Assistment #87547 "87547 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 4 mice,

Given the growth factor is 4 what is the initial population?

---

451) Assistment #87549 "87549 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 18 mice,

Given the growth factor is 2 what is the initial population?

---

452) Assistment #87550 "87550 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 5 mice,

Given the growth factor is 5 what is the initial population?

---

453) Assistment #87551 "87551 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 24 mice,

Given the growth factor is 3 what is the initial population?

---

454) Assistment #87552 "87552 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 4 mice,

Given the growth factor is 4 what is the initial population?

---

455) Assistment #87553 "87553 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 16 mice,

Given the growth factor is 2 what is the initial population?

---

456) Assistment #87554 "87554 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 8 mice,

Given the growth factor is 2 what is the initial population?

---

457) Assistment #87555 "87555 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 18 mice,

Given the growth factor is 6 what is the initial population?

---

458) Assistment #87556 "87556 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 10 mice,

Given the growth factor is 5 what is the initial population?

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459) Assistment #87558 "87558 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 9 mice,

Given the growth factor is 3 what is the initial population?

---

460) Assistment #87557 "87557 - 85302 - 6a "

A mice population grew exponentially through several generations, at generation 1, there are 6 mice,

Given the growth factor is 6 what is the initial population?

461) Assistment #87571 "87571 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○ Okay

---

462) Assistment #41789 "41789 - Page 26 #6b"

Page 26 #6b   Use the variables

p = population and

m = months.

Fill in the blank for: p = _____

[   ]

---

463) Assistment #88133 "88133 - 6b"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

464) Assistment #88137 "88137 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

465) Assistment #88138 "88138 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

466) Assistment #88135 "88135 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

467) Assistment #88134 "88134 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

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468) Assistment #88136 "88136 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

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469) Assistment #88139 "88139 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

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470) Assistment #88140 "88140 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

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471) Assistment #88141 "88141 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

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472) Assistment #88143 "88143 - 6b"

A mice population started from 8 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

☐

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473) Assistment #88142 "88142 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

☐

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474) Assistment #88144 "88144 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

☐

---

475) Assistment #88145 "88145 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

☐

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476) Assistment #88146 "88146 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

☐

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477) Assistment #88148 "88148 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

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┌──────────┐
│          │
└──────────┘
```

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478) Assistment #88147 "88147 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

```
┌──────────┐
│          │
└──────────┘
```

---

479) Assistment #88149 "88149 - 6b"

A mice population started from 8 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

```
┌──────────┐
│          │
└──────────┘
```

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480) Assistment #88150 "88150 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

```
┌──────────┐
│          │
└──────────┘
```

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481) Assistment #88152 "88152 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

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┌──────────┐
│          │
└──────────┘
```

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482) Assistment #88151 "88151 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

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483) Assistment #88155 "88155 - 6b"

A mice population started from 7 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

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484) Assistment #88154 "88154 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

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485) Assistment #88153 "88153 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

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486) Assistment #88156 "88156 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

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487) Assistment #88158 "88158 - 6b"

A mice population started from 7 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

```
┌─────────────┐
│             │
└─────────────┘
```

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488) Assistment #88157 "88157 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

```
┌─────────────┐
│             │
└─────────────┘
```

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489) Assistment #88161 "88161 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

```
┌─────────────┐
│             │
└─────────────┘
```

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490) Assistment #88159 "88159 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

```
┌─────────────┐
│             │
└─────────────┘
```

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491) Assistment #88160 "88160 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

```
┌─────────────┐
│             │
└─────────────┘
```

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492) Assistment #88162 "88162 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

493) Assistment #88163 "88163 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

494) Assistment #88164 "88164 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

495) Assistment #88166 "88166 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

496) Assistment #88165 "88165 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

497) Assistment #88167 "88167 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

498) Assistment #88168 "88168 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

499) Assistment #88170 "88170 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

500) Assistment #88169 "88169 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

501) Assistment #88171 "88171 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

502) Assistment #88172 "88172 - 6b"

A mice population started from 7 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

503) Assistment #88174 "88174 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

☐

504) Assistment #88173 "88173 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

☐

505) Assistment #88175 "88175 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

☐

506) Assistment #88176 "88176 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

☐

507) Assistment #88177 "88177 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

☐

508) Assistment #88178 "88178 - 6b"

A mice population started from 9 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[ ]

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509) Assistment #88180 "88180 - 6b"

A mice population started from 7 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[ ]

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510) Assistment #88179 "88179 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[ ]

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511) Assistment #88181 "88181 - 6b"

A mice population started from 8 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[ ]

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512) Assistment #88182 "88182 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[ ]

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513) Assistment #88185 "88185 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

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514) Assistment #88186 "88186 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

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515) Assistment #88183 "88183 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

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516) Assistment #88184 "88184 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

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517) Assistment #88187 "88187 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

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518) Assistment #88188 "88188 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[   ]

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519) Assistment #88189 "88189 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

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520) Assistment #88192 "88192 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[   ]

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521) Assistment #88193 "88193 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

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522) Assistment #88191 "88191 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[   ]

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523) Assistment #88190 "88190 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

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524) Assistment #88194 "88194 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

_____

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525) Assistment #88199 "88199 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

_____

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526) Assistment #88197 "88197 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

_____

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527) Assistment #88198 "88198 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

_____

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528) Assistment #88200 "88200 - 6b"

A mice population started from 8 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[ ]

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529) Assistment #88196 "88196 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[ ]

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530) Assistment #88195 "88195 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[ ]

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531) Assistment #88205 "88205 - 6b"

A mice population started from 9 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[ ]

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532) Assistment #88202 "88202 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[ ]

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533) Assistment #88204 "88204 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

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534) Assistment #88203 "88203 - 6b"

A mice population started from 8 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[   ]

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535) Assistment #88201 "88201 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

[   ]

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536) Assistment #88206 "88206 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

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537) Assistment #88207 "88207 - 6b"

A mice population started from 7 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

[   ]

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538) Assistment #88208 "88208 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

539) Assistment #88209 "88209 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

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540) Assistment #88211 "88211 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

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541) Assistment #88210 "88210 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

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542) Assistment #88212 "88212 - 6b"

A mice population started from 9 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

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543) Assistment #88213 "88213 - 6b"

A mice population started from 7 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

544) Assistment #88217 "88217 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

```
[                  ]
```

545) Assistment #88216 "88216 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

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[                  ]
```

546) Assistment #88214 "88214 - 6b"

A mice population started from 1 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

```
[                  ]
```

547) Assistment #88215 "88215 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

```
[                  ]
```

548) Assistment #88218 "88218 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

```
[                  ]
```

549) Assistment #88221 "88221 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

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550) Assistment #88219 "88219 - 6b"

A mice population started from 9 mices and mutiplied exponentially

Given the growth factor is 2

Write the expression that represents the fly population at generation n.

---

551) Assistment #88222 "88222 - 6b"

A mice population started from 9 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

---

552) Assistment #88220 "88220 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

---

553) Assistment #88224 "88224 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 4

Write the expression that represents the fly population at generation n.

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554) Assistment #88223 "88223 - 6b"

A mice population started from 5 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

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555) Assistment #88225 "88225 - 6b"

A mice population started from 2 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

---

556) Assistment #88226 "88226 - 6b"

A mice population started from 9 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

---

557) Assistment #88227 "88227 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

---

558) Assistment #88228 "88228 - 6b"

A mice population started from 8 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

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559) Assistment #88230 "88230 - 6b"

A mice population started from 6 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

---

560) Assistment #88229 "88229 - 6b"

A mice population started from 4 mices and mutiplied exponentially

Given the growth factor is 6

Write the expression that represents the fly population at generation n.

[   ]

---

561) Assistment #88231 "88231 - 6b"

A mice population started from 10 mices and mutiplied exponentially

Given the growth factor is 3

Write the expression that represents the fly population at generation n.

[   ]

---

562) Assistment #88232 "88232 - 6b"

A mice population started from 3 mices and mutiplied exponentially

Given the growth factor is 5

Write the expression that represents the fly population at generation n.

[   ]

---

563) Assistment #89831 "89831 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○ Okay

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564) Assistment #41790 "41790 - Page 26 #7a"

Page 26 #7a

[_____]

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565) Assistment #88234 "88234 - 7a - messeage"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn this material you will never complete this homework. This problem set will go on forever. Of course if you have serious trouble you should talk to your teacher so that you can figure out a way you can get the help you need to learn the material.

A dog has fleas that grew exponentially according to the equation $y=3*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[_____]

566) Assistment #88238 "88238 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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567) Assistment #88236 "88236 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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568) Assistment #88233 "88233 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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569) Assistment #88237 "88237 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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570) Assistment #88235 "88235 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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571) Assistment #88241 "88241 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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572) Assistment #88239 "88239 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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573) Assistment #88240 "88240 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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574) Assistment #88243 "88243 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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575) Assistment #88242 "88242 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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576) Assistment #88244 "88244 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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577) Assistment #88245 "88245 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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578) Assistment #88247 "88247 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

579) Assistment #88246 "88246 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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580) Assistment #88249 "88249 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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581) Assistment #88250 "88250 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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582) Assistment #88248 "88248 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

583) Assistment #88251 "88251 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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584) Assistment #88252 "88252 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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585) Assistment #88253 "88253 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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586) Assistment #88254 "88254 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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587) Assistment #88255 "88255 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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588) Assistment #88256 "88256 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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589) Assistment #88257 "88257 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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590) Assistment #88258 "88258 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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591) Assistment #88260 "88260 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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592) Assistment #88259 "88259 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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593) Assistment #88262 "88262 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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594) Assistment #88261 "88261 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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595) Assistment #88263 "88263 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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596) Assistment #88264 "88264 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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597) Assistment #88265 "88265 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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598) Assistment #88266 "88266 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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599) Assistment #88267 "88267 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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600) Assistment #88268 "88268 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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601) Assistment #88269 "88269 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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602) Assistment #88270 "88270 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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603) Assistment #88271 "88271 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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604) Assistment #88272 "88272 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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605) Assistment #88274 "88274 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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606) Assistment #88275 "88275 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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607) Assistment #88273 "88273 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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608) Assistment #88276 "88276 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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609) Assistment #88277 "88277 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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610) Assistment #88278 "88278 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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611) Assistment #88279 "88279 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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612) Assistment #88280 "88280 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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613) Assistment #88281 "88281 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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614) Assistment #88282 "88282 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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615) Assistment #88284 "88284 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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616) Assistment #88283 "88283 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

617) Assistment #88285 "88285 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

618) Assistment #88287 "88287 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

619) Assistment #88286 "88286 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

620) Assistment #88288 "88288 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

621) Assistment #88291 "88291 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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622) Assistment #88289 "88289 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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623) Assistment #88290 "88290 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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624) Assistment #88294 "88294 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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625) Assistment #88292 "88292 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

> [   ]

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626) Assistment #88293 "88293 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

> [   ]

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627) Assistment #88295 "88295 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

> [   ]

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628) Assistment #88296 "88296 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

> [   ]

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629) Assistment #88298 "88298 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

630) Assistment #88297 "88297 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

631) Assistment #88299 "88299 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

632) Assistment #88300 "88300 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

633) Assistment #88303 "88303 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

634) Assistment #88302 "88302 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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635) Assistment #88305 "88305 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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636) Assistment #88301 "88301 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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637) Assistment #88304 "88304 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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638) Assistment #88306 "88306 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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639) Assistment #88307 "88307 - 7a"

A dog has fleas that grew exponentially according to the equation $y=7*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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640) Assistment #88308 "88308 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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641) Assistment #88309 "88309 - 7a"

A dog has fleas that grew exponentially according to the equation $y=3*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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642) Assistment #88310 "88310 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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643) Assistment #88311 "88311 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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644) Assistment #88312 "88312 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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645) Assistment #88315 "88315 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[ ]

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646) Assistment #88317 "88317 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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647) Assistment #88313 "88313 - 7a"

A dog has fleas that grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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648) Assistment #88314 "88314 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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649) Assistment #88318 "88318 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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650) Assistment #88316 "88316 - 7a"

A dog has fleas that grew exponentially according to the equation $y=4*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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651) Assistment #88320 "88320 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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652) Assistment #88319 "88319 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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653) Assistment #88321 "88321 - 7a"

A dog has fleas that grew exponentially according to the equation $y=1*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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654) Assistment #88322 "88322 - 7a"

A dog has fleas that grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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655) Assistment #88323 "88323 - 7a"

A dog has fleas that grew exponentially according to the equation $y = 8*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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656) Assistment #88324 "88324 - 7a"

A dog has fleas that grew exponentially according to the equation $y = 10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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657) Assistment #88327 "88327 - 7a"

A dog has fleas that grew exponentially according to the equation $y = 8*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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658) Assistment #88326 "88326 - 7a"

A dog has fleas that grew exponentially according to the equation $y = 1*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

[   ]

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659) Assistment #88325 "88325 - 7a"

A dog has fleas that grew exponentially according to the equation $y = 7*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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660) Assistment #88329 "88329 - 7a"

A dog has fleas that grew exponentially according to the equation $y=6*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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661) Assistment #88330 "88330 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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662) Assistment #88328 "88328 - 7a"

A dog has fleas that grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

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663) Assistment #88331 "88331 - 7a"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

664) Assistment #88332 "88332 - 7a"

A dog has fleas that grew exponentially according to the equation $y=8*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the initial flea population of fleas on the dog?

665) Assistment #89830 "89830 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○   Okay

666) Assistment #41791 "41791 - Page 26 #7b"

Page 26 #7b

667) Assistment #88333 "88333 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=8*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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668) Assistment #88337 "88337 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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669) Assistment #88335 "88335 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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670) Assistment #88338 "88338 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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671) Assistment #88334 "88334 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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672) Assistment #88336 "88336 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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673) Assistment #88339 "88339 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [ ]

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674) Assistment #88341 "88341 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [ ]

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675) Assistment #88340 "88340 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [ ]

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676) Assistment #88344 "88344 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [ ]

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677) Assistment #88343 "88343 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

678) Assistment #88342 "88342 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

679) Assistment #88345 "88345 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

680) Assistment #88346 "88346 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

681) Assistment #88347 "88347 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

682) Assistment #88348 "88348 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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683) Assistment #88349 "88349 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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684) Assistment #88351 "88351 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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685) Assistment #88350 "88350 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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686) Assistment #88352 "88352 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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687) Assistment #88353 "88353 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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688) Assistment #88354 "88354 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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689) Assistment #88356 "88356 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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690) Assistment #88355 "88355 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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691) Assistment #88357 "88357 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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692) Assistment #88358 "88358 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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693) Assistment #88359 "88359 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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694) Assistment #88360 "88360 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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695) Assistment #88362 "88362 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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696) Assistment #88361 "88361 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=1*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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697) Assistment #88363 "88363 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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698) Assistment #88364 "88364 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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699) Assistment #88365 "88365 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

700) Assistment #88369 "88369 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

701) Assistment #88367 "88367 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

702) Assistment #88368 "88368 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

703) Assistment #88366 "88366 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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704) Assistment #88370 "88370 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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705) Assistment #88371 "88371 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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706) Assistment #88372 "88372 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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707) Assistment #88374 "88374 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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708) Assistment #88375 "88375 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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709) Assistment #88373 "88373 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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710) Assistment #88377 "88377 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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711) Assistment #88376 "88376 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

712) Assistment #88379 "88379 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

713) Assistment #88380 "88380 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

714) Assistment #88381 "88381 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

715) Assistment #88378 "88378 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

716) Assistment #88382 "88382 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

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717) Assistment #88386 "88386 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

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718) Assistment #88387 "88387 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=8*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

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719) Assistment #88383 "88383 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[ ]

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720) Assistment #88388 "88388 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y = 5 * 3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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721) Assistment #88385 "88385 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y = 3 * 5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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722) Assistment #88384 "88384 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y = 9 * 5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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723) Assistment #88389 "88389 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y = 6 * 3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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724) Assistment #88390 "88390 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y = 3 * 6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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725) Assistment #88391 "88391 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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726) Assistment #88392 "88392 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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727) Assistment #88394 "88394 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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728) Assistment #88393 "88393 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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729) Assistment #88395 "88395 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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730) Assistment #88396 "88396 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=8*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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731) Assistment #88400 "88400 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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732) Assistment #88397 "88397 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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733) Assistment #88399 "88399 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

734) Assistment #88398 "88398 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=1*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

735) Assistment #88401 "88401 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=1*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

736) Assistment #88402 "88402 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

737) Assistment #88403 "88403 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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738) Assistment #88406 "88406 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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739) Assistment #88405 "88405 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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740) Assistment #88404 "88404 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=1*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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741) Assistment #88407 "88407 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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742) Assistment #88411 "88411 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=8*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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743) Assistment #88408 "88408 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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744) Assistment #88409 "88409 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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745) Assistment #88410 "88410 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[box]

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746) Assistment #88412 "88412 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[box]

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747) Assistment #88413 "88413 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[box]

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748) Assistment #88415 "88415 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[box]

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749) Assistment #88414 "88414 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[box]

750) Assistment #88417 "88417 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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751) Assistment #88416 "88416 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=4*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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752) Assistment #88418 "88418 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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753) Assistment #88419 "88419 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

[   ]

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754) Assistment #88423 "88423 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=10*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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755) Assistment #88422 "88422 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=8*6^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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756) Assistment #88421 "88421 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=8*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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757) Assistment #88420 "88420 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

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758) Assistment #88424 "88424 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=2*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [   ]

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759) Assistment #88425 "88425 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=9*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [   ]

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760) Assistment #88426 "88426 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*3^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [   ]

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761) Assistment #88429 "88429 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

> [   ]

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762) Assistment #88427 "88427 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

763) Assistment #88428 "88428 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

764) Assistment #88431 "88431 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

765) Assistment #88430 "88430 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

766) Assistment #88432 "88432 - 85744 - 7b"

A dog has fleas that grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas, and n is the number of weeks since he first got the fleas.

What is the is the growth factor for this situation?

767) Assistment #89835 "89835 - 84634 - You are done"

You have now demonstrated some competency in the skill by getting your homework question right or by finishing 3 mastery problems right in a row,.

○ Okay

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768) Assistment #41792 "41792 - Page 26 #7c"

Page 26 #7c

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769) Assistment #88434 "88434 - 85309 - 7c"

You did not get that last problem correct on your first attempt. Your teacher wants you to now demonstrate mastery on this topic before you move on to finish your homework. Its very important that you demonstrate mastery on prerequisite skills before you move on to more complicated skills.

Your teacher at Oak has given you this homework and thinks you should be able to complete this in under 30 minutes. However, if in fact you have to spend a lot more time than 30 minutes you should stop and talk to your teacher.

This sort of homework you can not complete unless you learn the material. If you fail to learn

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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770) Assistment #88433 "88433 - 85309 - 7c"

 A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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771) Assistment #88436 "88436 - 85309 - 7c"

 A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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772) Assistment #88437 "88437 - 85309 - 7c"

 A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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773) Assistment #88435 "88435 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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774) Assistment #88438 "88438 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=1*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

$\boxed{}$

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775) Assistment #88439 "88439 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

$\boxed{}$

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776) Assistment #88440 "88440 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

$\boxed{}$

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777) Assistment #88441 "88441 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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778) Assistment #88442 "88442 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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779) Assistment #88443 "88443 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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780) Assistment #88444 "88444 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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781) Assistment #88445 "88445 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

782) Assistment #88446 "88446 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

783) Assistment #88448 "88448 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

784) Assistment #88449 "88449 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

785) Assistment #88447 "88447 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

786) Assistment #88450 "88450 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

787) Assistment #88451 "88451 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=1*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

788) Assistment #88452 "88452 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

789) Assistment #88453 "88453 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

790) Assistment #88454 "88454 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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791) Assistment #88455 "88455 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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792) Assistment #88456 "88456 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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793) Assistment #88458 "88458 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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794) Assistment #88457 "88457 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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795) Assistment #88461 "88461 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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796) Assistment #88460 "88460 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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797) Assistment #88459 "88459 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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798) Assistment #88463 "88463 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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799) Assistment #88462 "88462 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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800) Assistment #88465 "88465 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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801) Assistment #88466 "88466 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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802) Assistment #88464 "88464 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

803) Assistment #88468 "88468 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

804) Assistment #88467 "88467 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

805) Assistment #88469 "88469 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

806) Assistment #88470 "88470 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

807) Assistment #88473 "88473 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

808) Assistment #88475 "88475 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

809) Assistment #88472 "88472 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

810) Assistment #88471 "88471 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

811) Assistment #88474 "88474 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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812) Assistment #88477 "88477 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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813) Assistment #88479 "88479 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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814) Assistment #88481 "88481 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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815) Assistment #88478 "88478 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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816) Assistment #88476 "88476 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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817) Assistment #88482 "88482 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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818) Assistment #88480 "88480 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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819) Assistment #88483 "88483 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

820) Assistment #88485 "88485 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

☐

821) Assistment #88484 "88484 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

☐

822) Assistment #88486 "88486 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

☐

823) Assistment #88487 "88487 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

☐

824) Assistment #88488 "88488 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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825) Assistment #88489 "88489 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=1*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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826) Assistment #88490 "88490 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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827) Assistment #88491 "88491 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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828) Assistment #88492 "88492 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=1*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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829) Assistment #88494 "88494 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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830) Assistment #88493 "88493 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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831) Assistment #88495 "88495 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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832) Assistment #88496 "88496 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

> [   ]

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833) Assistment #88497 "88497 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

> [   ]

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834) Assistment #88499 "88499 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

> [   ]

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835) Assistment #88498 "88498 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

> [   ]

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836) Assistment #88500 "88500 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

837) Assistment #88501 "88501 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

[   ]

838) Assistment #88502 "88502 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

[   ]

839) Assistment #88505 "88505 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

[   ]

840) Assistment #88503 "88503 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

[   ]

841) Assistment #88504 "88504 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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842) Assistment #88506 "88506 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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843) Assistment #88507 "88507 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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844) Assistment #88508 "88508 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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845) Assistment #88511 "88511 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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846) Assistment #88510 "88510 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=9*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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847) Assistment #88512 "88512 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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848) Assistment #88513 "88513 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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849) Assistment #88509 "88509 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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850) Assistment #88514 "88514 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=10*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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851) Assistment #88515 "88515 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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852) Assistment #88516 "88516 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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853) Assistment #88517 "88517 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

854) Assistment #88519 "88519 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

855) Assistment #88518 "88518 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=8*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

856) Assistment #88520 "88520 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=1*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

857) Assistment #88522 "88522 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

858) Assistment #88521 "88521 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

859) Assistment #88523 "88523 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

860) Assistment #88525 "88525 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=7*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

861) Assistment #88524 "88524 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=5*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

862) Assistment #88526 "88526 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 5 weeks?

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863) Assistment #88528 "88528 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=1*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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864) Assistment #88527 "88527 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=6*3^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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865) Assistment #88529 "88529 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=4*2^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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**866) Assistment #88530 "88530 - 85309 - 7c"**

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=2*6^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 6 weeks?

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867) Assistment #88531 "88531 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*5^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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868) Assistment #88532 "88532 - 85309 - 7c"

A dog has fleas. The number of fleas he had grew exponentially according to the equation $y=3*4^n$

where y is the number of fleas he has , and n is the number of weeks since he first got the fleas.

How many fleas will the dog have after 7 weeks?

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869) Duplicate assistment: Assistment #87576 "87576 - 84634 - You are done" was not displayed.

870) Assistment #41794 "41794 - Page 27 #8b"

Page 27 #8b
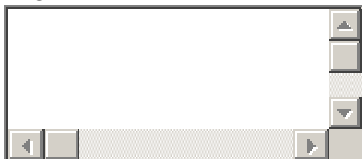
Problem Set "GGG Investigation 3.1 Book Homework" id:[10223]

1) Assistment #41164 "41164 - Page 38 # 1A"

Page 38 # 1A
The table will look like this. What value goes for the number of Wolves after **6 years**?

Round your answer to the nearest whole number.

Years	Wolves
0	20
1	
2	
3	
4	
5	
6	

---

2) Assistment #41165 "41165 - Page 38 # 1B"

Page 38 # 1B

*Please use the variables "p" and "t" for population and time in your awnser.

Fill in the blank for the equation p = _____
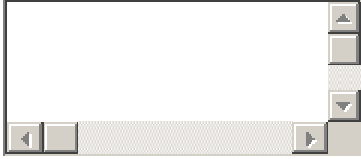
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3) Assistment #41166 "41166 - Page 38 # 1C"

Page 38 # 1C

*Please find the nearest whole number of years where the population exceeds 100.

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4) Assistment #41167 "41167 - Page 38 # 2A"

A) Page 38 # 2A

B) Explain how you found the growth factor.

5) Assistment #41168 "41168 - Page 38 # 2B"

A) Page 38 # 2B
After 10 years?

B) Page 38 # 2B
After 15 years?

6) Assistment #41169 "41169 - Page 38 # 2C"

Page 38 # 2C

*Please use the variables "p" and "n" for population and time, respectively, in your anwser.

7) Assistment #41170 "41170 - Page 38 # 2D"

Page 38 # 2D

Give your answer as the whole number year where the population finally exceeds one million.

8) Assistment #41171 "41171 - Page 38 # 3"

Page 39 # 3

Give your answer in whole number years.

9) Assistment #41172 "41172 - Page 38 # 4"

Page 39 # 4

*Please use the variables "p" and "n" for population and time, respectively, in your anwser.

Enter what would go in the blank for the equation p = _____
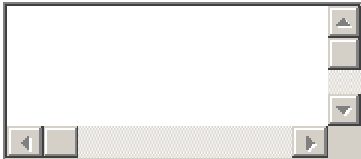
10) Assistment #41173 "41173 - Page 38 # 5"

Page 39 # 5

- ○ A
- ○ B
- ○ C
- ○ D

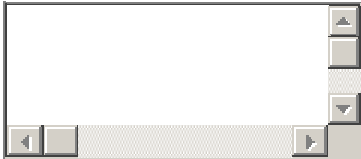**11) Assistment #41174 "41174 - Page 38 # 6"**

Page 39 # 6

*Please round your anwser to the nearest tenth of a year.

12) Assistment #41175 "41175 - Page 38 # 7"

Page 39 # 7

*Please round your anwser to the nearest tenth of a year.

13) Assistment #84623 "84623 - Page 39 #8A"

A) Page 39 # 8A

Fill out the table for the equation $y = 50(2.2)^x$.

What goes in the orange box?

x	0	1	2	3	4	5
y						

B) Page 39 # 8A

552

Fill out the table for the equation y = 50(2.2)ˣ.

What goes in the orange box?

x	0	1	2	3	4	5
y	50	🟧				

C) Page 39 # 8A

Fillout the table for the equation y = 50(2.2)ˣ.

What goes in the orange box?

x	0	1	2	3	4	5
y	50	110	🟧			

D) Page 39 # 8A

Fill out the table for the equation y = 50(2.2)ˣ.

What goes in the orange box?

x	0	1	2	3	4	5
y	50	110	242	🟧		

E) Page 39 # 8A

Fill out the table for the equation y = 50(2.2)ˣ.

What goes in the orange box?

x	0	1	2	3	4	5
y	50	110	242	532.4	🟧	

F) Page 39 # 8A

Fill out the table for the equation y = 50(2.2)ˣ.

What goes in the orange box?

553

x	0	1	2	3	4	5
y	50	110	242	532.4	1171.28	🟧

[ ]

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14) Assistment #41183 "41183 - Page 38 # 8b"

A) Page 39 # 8b What is the growth factor for the equation $y=50(2.2)^x$

[ ]

B) What is the growth factor for the equation $y=350(1.7)^x$?

[ ]

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15) Assistment #41184 "41184 - Page 39 #8c"

Page 39 #8c

[ ]

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16) Assistment #41185 "41185 - page 39 #8d"

Page 39 #8d

[ ]

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17) Assistment #41186 "41186 - Page 42 #24"

Page 42 #24

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18) Assistment #41187 "41187 - Page 42 #25"
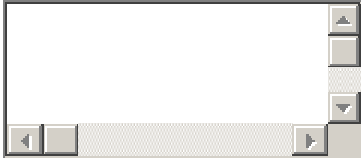
Page 42 #25

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19) Assistment #41188 "41188 - Page 42 #26"
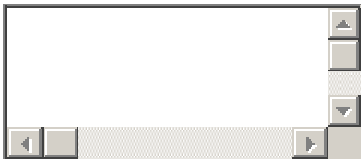
Page 42 #26

20) Assistment #41189 "41189 - Page 42 #27"
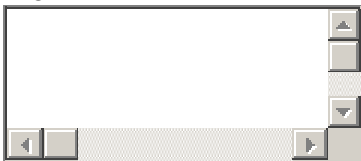
Page 42 #27

21) Assistment #41190 "41190 - Page 42 #28"

Page 42 #28

22) Assistment #41191 "41191 - Page 42 #29"

Page 42 #29

23) Assistment #41192 "41192 - Page 42 #30"

Page 42 #30