PSAT/NMSQT®

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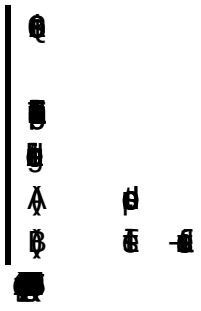
Choice A is the best answer. The passage indicates that Emma's mother died long ago and that Emma barely remembers her. Emma is raised by an affectionate father and governess and is described as a person with a happy disposition.

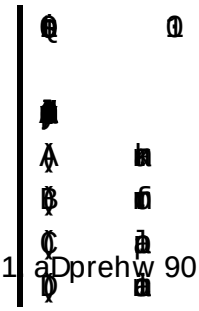
Choices B, C, and D are incorrect: Emma's father is not described as indifferent, Emma is not described as contented because of her father's wealth, and Emma does not appear to suffer from the loss of her mother.



PSAT/NMSQT Practice

Choice D is the best answer because lines 74-81 refer to Emma's new reality of "intellectual solitude" after Miss Taylor moved out of the house.

Choices A, B, and C are incorrect because none of these choices support the idea that Miss Taylor and Emma had fewer interactions following Miss Taylor's



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Item Difficulty: Easy
Content: Information and Ideas / Interpreting words and phrases in context
Best Answer: C

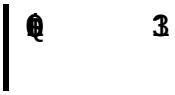
Choice C is the best answer. The first paragraph discusses the “vast informal economy driven by human relationships” (lines 6-

the trustworthiness of online recommendations. Choice D is incorrect because the idea that the new global economy will have only a limited expansion is oppositional to the passage's main points.

Item Difficulty: Medium
Content: Rhetoric / Analyzing text structure
Best Answer: A

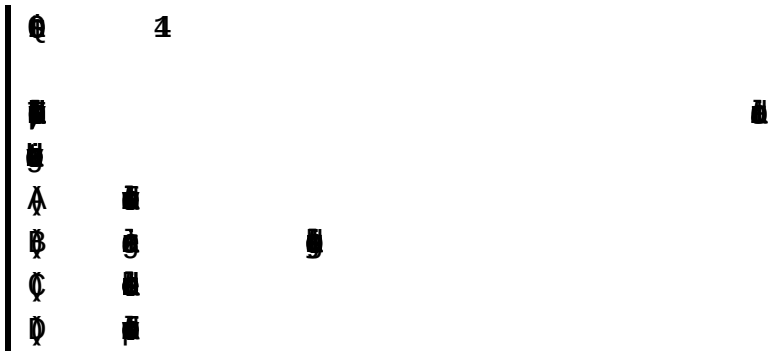
Choice A is the best answer. The Soviet Union of the 1960s and 1970s was most notable for the disparity between its official economy and a second, unofficial one. The author explains how unwanted items sold at state stores were not the "nice furnishings" found in people's homes. These "nice furnishings" were a result of the Soviet Union's unofficial economy driven by social networking, or "relationship-driven economics" (lines 16-17).

Choices B, C, and D are incorrect because the author does not use the discussion of life in the Soviet Union in the 1960s and 1970s to show how technology has changed social conditions, how the Soviet Union was different from other countries, or how important it is to consider historical trends.



people can use websites to post descriptions of projects, which means that people can write these descriptions and publish them online.

Choices B, C, and D are incorrect because in this context “post” does not mean transfer, assign, or denounce.

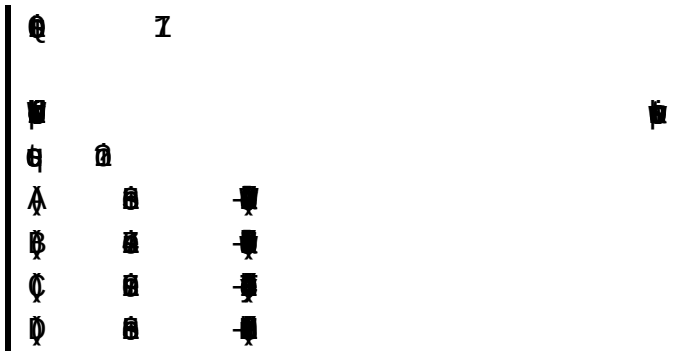


Item Difficulty: Medium
Content: Information and Ideas / Understanding relationships
Best Answer: D

Choice D is the best answer. The passage explains that socially driven economies create new societies where “amplified individuals—(Dh2(h26.84 159.12.D)2[((s)(06D3-((1)(0.002 Tc 0.0

Choice D is the best answer. Lines 66-72 explain how socially driven economies are creating societies where individuals no longer rely on traditional organizations to perform specific tasks. Instead, individuals can use technology and social relationships to more efficiently perform these tasks at a lower cost.

Choices A, B, and C are incorrect because they do not directly compare individuals to traditional organizations.



Item Difficulty: Medium
Content: Information and Ideas / Citing textual evidence
Best Answer: D

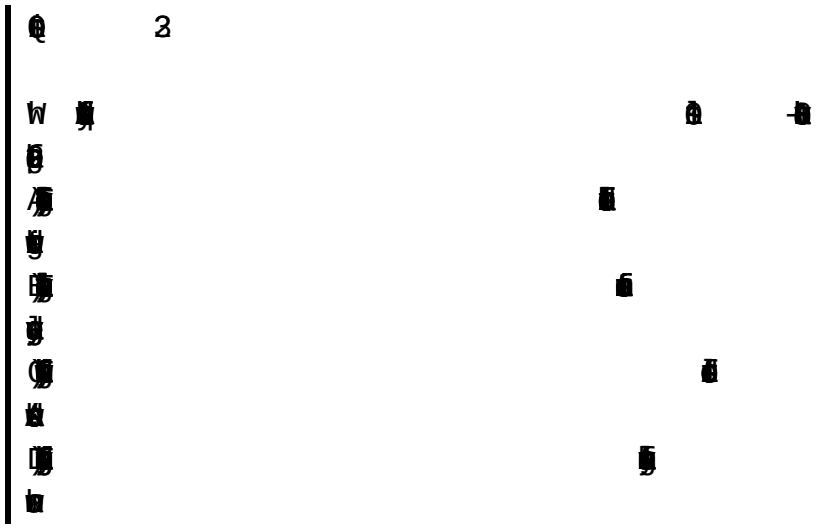
C

Choice C is incorrect because the passage discusses exercise only within the context of bears.

Item Difficulty: Medium
Content: Information and Ideas / Citing textual evidence
Best Answer: A

Choice A is the best answer. This sentence supports the idea that one of the goals of the hibernation research discussed in the passage is to try to improve human health: “Understanding how hibernators, including ground squirrels, marmots and bears, survive their long winter’s naps may one day offer solutions for problems such as heart disease, osteoporosis and muscular dystrophy” (lines 1-5).

Choices B, C, and D are incorrect because they do not address the main goal of the hibernator research. Choice B is incorrect because lines 10-13 describe only one aspect of hibernation: fat as fuel. Choices C and D are incorrect because lines 31-35 and 42-46 describe the field research, not the goal of this research.



Item Difficulty: Medium
Content: Rhetoric / Analyzing word choice
Best Answer: B

Choice B is the best answer. In lines 10-18 the molecular biologist Matthew Andrews explains how fat is important to hibernating animals, stating "'Fat is where it's at'" and "'You bring your own lunch with you.'" The use of this nonscientific language creates a conversational tone that allows readers to understand what might otherwise be a complex topic.

Choices A, C, and D are incorrect because Andrews's phrases, such as "'Fat is where it's at,'" are relaxed rather than bleak, ominous, or absurd.

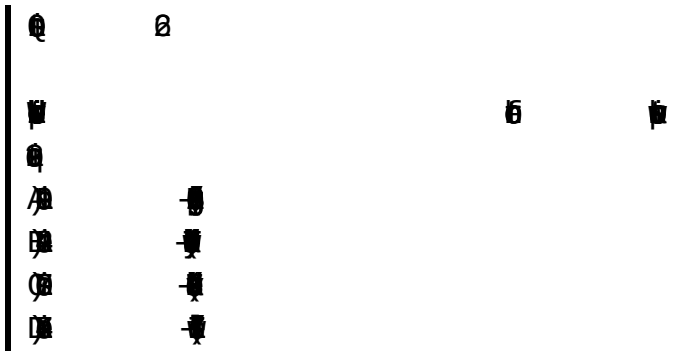
Item Difficulty: Medium
Content: Information and Ideas / Interpreting words and phrases in context
Best Answer: B

Choice B is the best answer. Lines 19-20 describe how fat is important to hibernating animals, as "[b]igger fat stores mean a greater chance of surviving until spring." In this context, hibernating animals have "stores," or reserves, of fat that they put away for later use.

Choices A, C, and D are incorrect because in this context "stores" does not mean preservatives, stacks, or shelters.

Choice D is the best answer. The passage concludes by noting that "Fröbert hopes to find some protective molecule that could stave off hardened arteries in humans as well" (lines 75-77). This makes clear the scientist's belief that even though bears begin hibernation while "'very, very fat'" (lines 62-63) and do not exercise for many months, these animals have some molecule that protects them from hardened arteries.

Choices A and B are incorrect because lines 58-69 explain that the bears' elevated plasma cholesterol levels combined with the sluggish circulation that results from their lack of exercise during hibernation "are a recipe for hardened arteries" (lines 67-68). Choice C is incorrect because lines 63-64 state that hibernating bears "get zero exercise during hibernation."



Item Difficulty: Medium
Content: Information and Ideas / Citing textual evidence
Best Answer: D

Choice D is the best answer. The passage concludes by noting that "Fröbert hopes to find some protective molecule that could stave off hardened arteries in humans as well" (lines 75-77). This sentence explains Fröbert's hypothesis that the reason bears do not "build up such artery-hardening streaks" (lines 72-73) is because they have some molecule that protects them from hardened arteries.

Choices A, B, and C are incorrect because they do not address Fröbert's hypothesis. Choice A is incorrect because lines 19-20 highlight the importance of fat to hibernators. Choice B is incorrect because lines 24-27 describe the diet of one group of hibernating bears. Choice C is incorrect because lines 70-73 describe the hardening of arteries in inactive humans.

Choice B is the best answer. In lines 15-16 Carnegie advocaw [(-)8g ses that the “houses of

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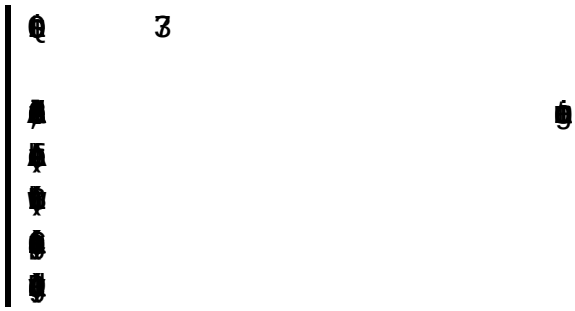


Item Difficulty: Medium
Content: Information and Ideas / Interpreting words and phrases in context
Best Answer: B

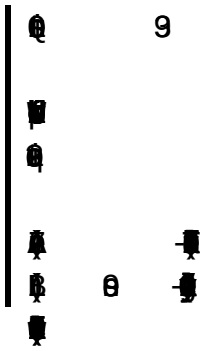
Choice B is the best answer. In the final paragraph of the passage, Carnegie writes of the "law of competition" (lines 76-77), explaining that the law has some costs but also provides improved living conditions for everyone "in its train." Saying these conditions come "in the train" of the law means they accompany the law or come with it.

Choices A, C, and D are incorrect because in this context "in its train" does not mean precede the law, predict the arrival of the law, or help advance the law.

Item Difficulty: Medium
Content: Information and Ideas / Reading closely
Best Answer: D

Choice D is the best answer. Lines 9-11 explain that, although some extinct species can be brought back to life, "Only species whose DNA is too old to be recovered, such as dinosaurs, are the ones to consider totally extinct, bodily and genetically." The determining factor is the length of time that species has been extinct.

Choices A, B, and C are incorrect because lines 9-11 explicitly state that only DNA that is "too old to be recovered" determines whether a species can be brought back to life, not the amount of time scientists devote to genetic research, the relationship between an extinct species and contemporary ecosystems, or how complex a species' DNA might be.



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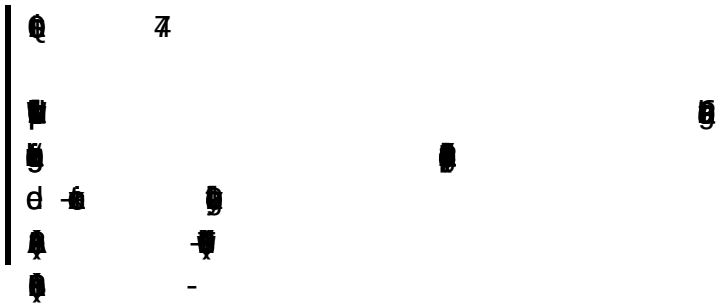
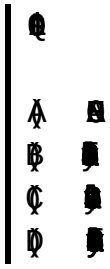
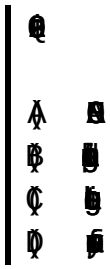


Writing and Language Test Answer Explanations



Item Difficulty: Medium
Content: Effective Language Use / Concision
Best Answer: C
Choice C is the best answer because it states the situation succinctly and is free of redundancies.

Choices A, B, and D are incorrect because all three contain a redundancy in which a reference to the annual nature of the loss is stated twice; for example, Choice A states “yearly” and “annually.”



Item Difficulty: Medium
Content: Effective Language Use / Style and tone
Best Answer: D
Choice D is the best answer because the use of language is correct for standard written English and matches the formal tone of the passage.

Choices A and C are incorrect because both rely on colloquial language, specifically “big” and “huge,” which strays from the formal tone of the article. Additionally, “things” in Choice C is vague and informal. Choice B is incorrect for the same reason.

Item Difficulty: Hard
Content: Organization / Logical sequence
Best Answer: C

Choice C is the best answer. Sentence 3 logically follows the statement in sentence 1 where readers learn that part of the problem is the work itself. Sentence 3 then tells readers what about the works710.5(l)-6.LTCSia2t82( )rsea(s)-2(e)10.6((i)-6.7en)11.2 (s)8.9blep(:)4

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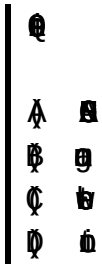
Choice A is the best answer because it adds relevant information in support of the claim that companies should allow their employees to take naps.

Choice B is incorrect because the prospective sentence does not explain methodology. Choice C is incorrect

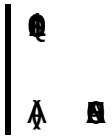
Choices A, C, and D are incorrect because, in each instance, the verb is not consistent with the preceding verbs in the series, “block” and “play.”

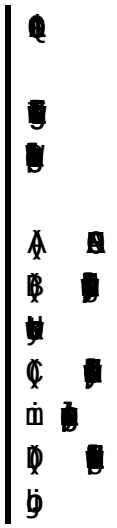


Item Difficulty: Easy
Content: Conventions of Usage / Conventional expression
Best Answer: B

Choice B is the best answer because, in this context, the preposition “among” is the only idiomatic choice: napping can be promoted “among” people but not “throughout,” “between,” or “into” them.

Choices A, C, and D are incorrect because the prepositions “throughout,” “between,” and “into” are unidiomatic in this context.





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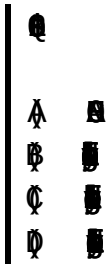
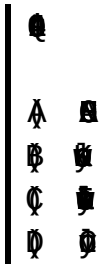
Choice B is incorrect because “this is” is unnecessarily wordy.



Item Difficulty: Medium
Content: Conventions of Usage / Frequently confused words
Best Answer: B

Choice B is the best answer because the verb “highlights” grammatically corresponds with the singular noun “the importance of bees.” Additionally, “effects” is the correct noun to describe outcomes.

Choices A and D are incorrect because “affects” is the incorrect word in this context. Choice C is incorrect because there is no subject-verb agreement between the singular noun “the importance of bees” and the verb “highlight.”



Item Difficulty: Medium
Content: Sentence Structure / Sentence formation / Modifier placement
Best Answer: B

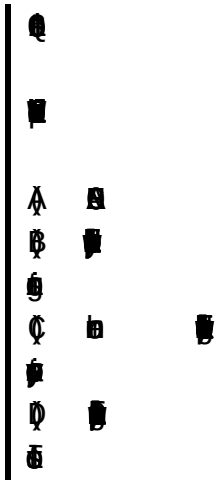
Choice B is the best answer because it provides a dependent clause that adequately introduces the main subject, colony collapse disorder, which corresponds directly to the subject in the second clause: “this phenomenon.”

Choice A is incorrect because “They” has no clear antecedent and creates a comma splice. Choice C is incorrect because it also results in a comma splice. Choice D is incorrect because it creates redundancy with the following noun phrase “this phenomenon.”

Item Difficulty: Medium
Content: Development / Quantitative information
Best Answer: B

Choice B is the best answer because it accurately represents the information in the chart.

Choice A is incorrect because in the 2011-2012 winter season, bee mortality rates fell below 25% of the bee colony. Choice C is incorrect because, according to the chart, bee mortality rates have varied noticeably year to year. Choice D is incorrect for a similar reason. The chart shows that, year to year, bee mortality rates have both increased and decreased.



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Choices A, B, and C are incorrect because each inserts unnecessary punctuation that disrupts the meaning of the sentence, which is to state where Giuseppe Ferrua stood.

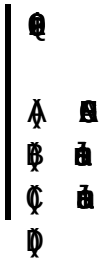
Item Difficulty: Easy
Content: Conventions of Usage / Conventional expression
Best Answer: A

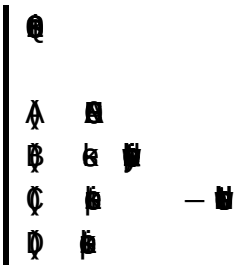
Choice A is the best answer because the preposition “with” correctly reflects the relations6(he)11o99(an)11.2(s)-2(w)-5.9(er)6.6(bec)-2(aus)-2(e((1957 0 Td((pr)-4.dH70.9(-4.-5.9(ubj1

Item Difficulty: Medium
Content: Effective Language Use / Precision
Best Answer: D

Choice D is the best answer because it provides "the most specific information on the type of advice a lunar calendar offers."

Choices A, B, and C are incorrect because each is vague; specifically, "farm chores," "actions," and "certain tasks" are all nebulous terms, and the question asks for the "most specific information."





Choice A is the best answer because it corresponds with the question's instructions to choose "an additional supporting example that emphasizes the importance of the senses." Professor Coffman's statement about the fragrant rosemary logically follows the English farmer's statement about his potatoes, as both use sensory impressions to attest to the success of lunar farming.

Choices B, C, and D are incorrect because each fails to provide an additional supporting example that demonstrates that Professor Coffman "has a similar response" to that of the English farmer. Choices B and D both involve the senses, but neither uses sensory impressions to judge the success of lunar farming. Choice C doesn't involve a sensory experience; it recounts an experience of information gathering.

Item Difficulty: Hard
Content: Organization / Introductions, conclusions, and transitions
Best Answer: A

Choice A is the best answer. “Because of” supports the cause-effect relationship between the two clauses in the sentence, which state that as result of the 20,000-item donation’s size and range, figuring out how to make the information available to the public was “a challenge.”

Choices B, C, and D are incorrect because they do not support the cause-effect relationship between the two clauses.

Item Difficulty: Hard
Content: Effective Language Use / Concision
Best Answer: D

Choice D is the best answer because it does not contain information that has already been established in the preceding sentences of the passage.

Choices A, B, and C are incorrect because they repeat information already established in the preceding sentences of the passage.

PSAT/NMSQT Practice Test #1

Item Difficulty: Medium
Content: Effective Language Use / Style and tone
Best Answer: B

Choice B is the best answer because it offers wording that is clear and consistent with the style of the passage.

Choices A and D are incorrect because both use jargon, or unnecessarily esoteric language, which is inconsistent with the passage's formal yet accessible style. Choice C is incorrect because the wording is clunky and too colloquial for the passage's style.

Item Difficulty: Easy
Content: Conventions of Usage / Frequently confused words
Best Answer: B

Choice B is the best answer because it provides the correct noun, “access,” to indicate the ability to utilize something, and the correct preposition, “to,” to link the noun to the prepositional phrase that follows it.

Choice A is incorrect because it provides a noun and preposition combination that does not correspo-0.6nf04 0n St4 0n S(or/P /4MCIpo-0.6nf04 0n St4 0-3.6(bi)-6.6(n(o)11.2(des)8.9(a)10.

Item Difficulty: Easy
Content: Conventions of Punctuation / Items in a series
Best Answer: A

Choice A is the best answer because it provides items in a series that are whole

Math Test – No Calculator Answer Explanations

Item Difficulty: Medium
Content: Passport to Advanced Math
Correct Answer: B

Choice B is the correct answer. We can find the ratio $\frac{x}{y}$ by rearranging the equation. Multiplying out the expression on the left side of the equation yields 3x + 3y = y. Then, subtracting 3y from both sides of the equation gives $3x = -2y$. Finally, dividing both sides of this equation by 3y (note that y ≠ 0) gives $\frac{x}{y} = \frac{-2}{3}$.

Choices A, C, and D are incorrect; they could result from errors during algebraic transformations of the equation $3(x + y) = y$.

Item Difficulty: Medium
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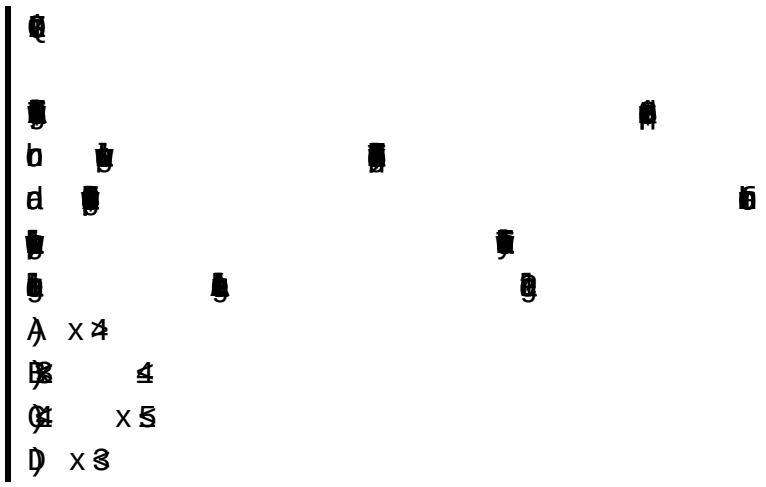
Item Difficulty: Medium
Content: Passport to Advanced Math
Correct Answer: B

Choice B is correct. This equation can be solved using the quadratic formula or factoring. The quadratic formula approach is left as an exercise for students. We will show first how to solve this equation using simple factoring and then will show how to solve it using both the structure of the equation and factoring.

Since $7x + 35 = 7(x + 5)$, the given equation can be rewritten as $2x^2 + 7(x + 5) = 15$. Regrouping the terms so that the left side of the equation is in the factored form gives $(2x - 3)(x + 5) = 0$, from which it follows that $2x - 3 = 0$ or $x + 5 = 0$. Thus, the quadratic equation has solutions $\frac{3}{2}$ and -5. Since r and s are solutions to the quadratic equation and $r > s$, we can conclude that $r = \frac{3}{2}$ and $s = -5$; therefore, $r - s = \frac{3}{2} - (-5) = \frac{13}{2}$.

difference $r - s$ of these solutions. For example, $\frac{15}{2}$ is the value of rs, not the value of $r - s$.

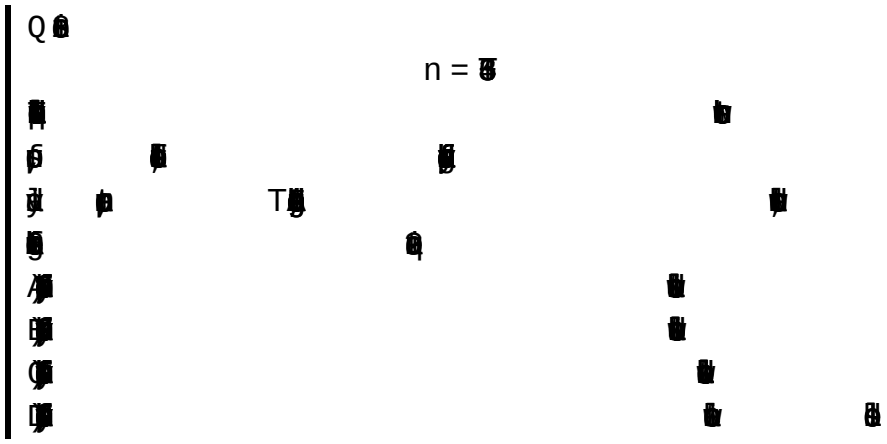


Item Difficulty: Medium
Content: Heart of Algebra
Correct Answer: A

Choice A is the correct answer. If x represents the number of hours spent cutting the lawn, the total fee that Allan charges is $8.5x + 15$ dollars and the total fee that Taylor charges is $9.25x + 12$ dollars. To find all of the values of x for which Taylor's total fee is greater than Allan's total fee, we solve the inequality $9.25x + 12 > 8.5x + 15$ which simplifies to $0.75x > 3$, and so $x > 4$.

Alternatively: Since Taylor's hourly rate charge is higher than Allan's, it can be concluded that after a certain amount of hours, Taylor's total charge will always be greater than Allan's total charge. Thus the inequality that represents all possible values of x for which this occurs will be of the form $x > a$ for some value a. Of the choices given, only $x > 4$ is in this form. Lastly, one can confirm that Taylor and Allan charge the same amount when $x = 4$. Therefore, choice A is correct.

Choice B is incorrect because Allan's total charge is greater than Taylor's total charge when



Item Difficulty: Medium
Content: Heart of Algebra
Correct Answer: D

Choice D is the correct answer. According to the model, if the average daily temperature is T degrees Fahrenheit, then the number of cups of hot chocolate sold per day in the coffee shop would be . If the temperature decreases by 1°F, then the number of cups of hot chocolate sold per day in the coffee shop would be , which can be rewritten as . Therefore, for every 1°F drop in the average daily temperature, the coffee shop sells three more cups of hot chocolate.

Choices A and B are incorrect because the change in the average daily temperature and the change in the number of cups of hot chocolate have been interchanged. Choice C is incorrect because, according to the model, the higher value of daily temperature corresponds to a lower, not higher, number of cups of hot chocolate sold.

Question 10

A) −7
B) −5
C) −3
D) −1

$f(-3) = f(-2-1) = 2(-2)+3$, $f(-3) = -1$.

5

Item Difficulty: Medium
Content: Heart of Algebra
Correct Answer: 2

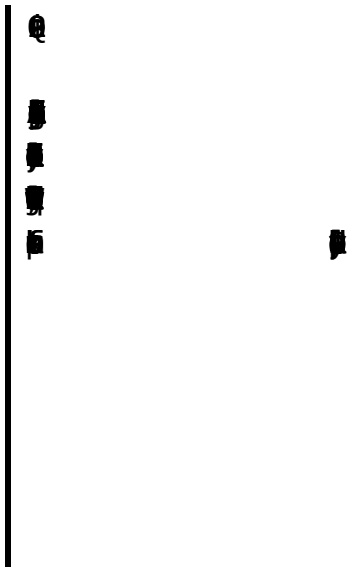
The correct answer is 2. The equation given can be rewritten as which is equivalent to and so a

6

Item Difficulty: Medium
Content: Passport to Advanced Math
Correct Answer: 9

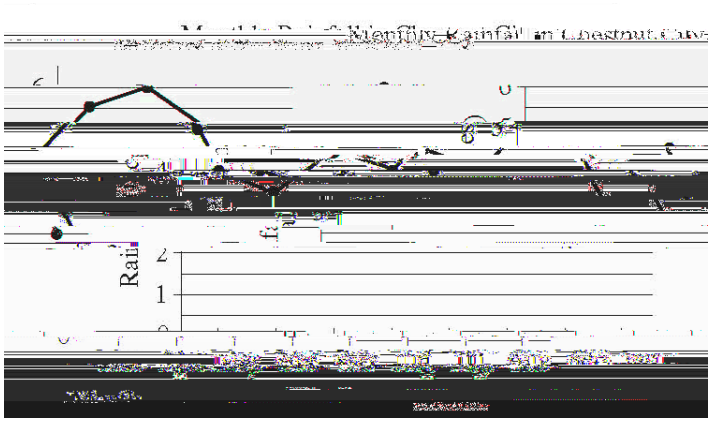
The correct answer is 9. Multiplying out the given expression gives $\frac{4(9x^2)}{4x^2}$. SinceC8 Td[(S Td/T13 1 T

Alternatively: Since $x - 2$ is a factor of $x^2 - bx + b$ and $(x - 2)^2 = x^2 - 4x + 4$ one can correctly conclude that the value of b is 4.



Item Difficulty: Easy
Content: Heart of Algebra
Correct Answer: A

Choice A is t4 ƀDC( )TjfQ( )]TJeB1.04 90 415.32 Tm[(C)2(ho 0.0.7(at)-6c1( )-2(t)-2(ns)-2(.)]TJ S



Item Difficulty: Medium
Content: Probability and Data Analysis
Correct Answer: C

Choice C is the correct answer. The greatest change (in absolute value) in monthly rainfall could be an increase or a decrease in monthly rainfall. The table below shows the approximate changes in monthly rainfall in Chestnut City last year between each of the two consecutive months.

	0
	1
	0
	5
	0
	1
	2

Of the values on the right column, the greatest is from September to October, which is a change of 2 inches.

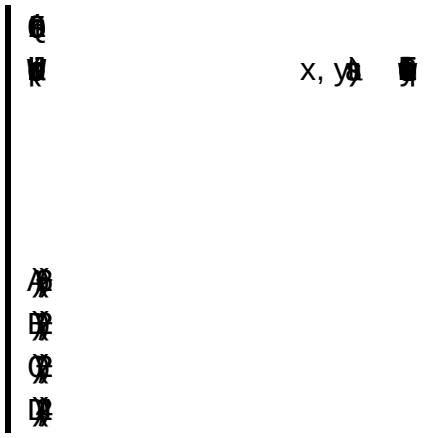
Choices A, B, and D are incorrect because they contain values that either do not represent any of the changes in monthly rainfall between two consecutive months or that are not the greatest change.

Item Difficulty: Medium
Content: Passport to Advanced Math
Correct Answer: C

Choice C is the correct answer. The perimeter of a rectangle is the sum of the four sides and can be calculated using the formula $P = 2\ell + 2w$, where ℓ is the length and w is the width of the rectangle. Subtracting 2w from both sides of the equation gives

$P - 2w = 2\ell$, and then dividing by 2 yields $\ell = \frac{P - 2w}{2}$.

Choice A is incorrect. This choice does not use the fact that the perimeter of a rectangle is the sum of two length and two widths. Choice B and D are incorrect. In each of these choices, the equation incorrectly doubles the perimeter.



Item Difficulty: Medium
Content: Heart of Algebra
Correct Answer: C

Choice C is the correct answer. To eliminate y, the first equation in the system can be multiplied by 2 and then the equations can be added as shown below.

$$\begin{array}{r} 4x - 2y = 12 \\ x + 2y = -2 \\ \hline 5x + 0 = 10 \end{array}$$

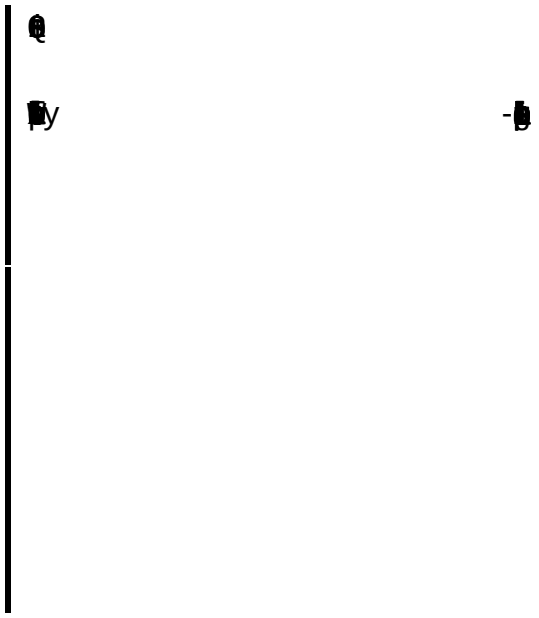
Since the result is $5x = 10$, it follows that $x = 2$. Substituting 2 for x into the equation $x + 2y = -2$ gives $2 + 2y = -2$ and so $y = -2$. Therefore, $(2, -2)$ is the solution to the system given.

Alternatively: Use the substitution method to solve the system. For example, the first equation can be rewritten as $y = x - 6$. Substituting $x - 6$ for y in the second equation gives $x - 2(x - 6) = 10$, and so $x = 2$. Finally, substituting 2 for x in $y = x - 6$ gives $y = -4$, leading to the same solution of the system, namely $(2, -4)$.

Choice B is incorrect. The value for x and the value for y have been reversed in the ordered pair. Choices A and D are incorrect. The ordered pair in each of these choices does not satisfy at least one of the equations in the system. For example, the ordered pair $(-2, 4)$ does not satisfy the equation $x + 2y = -2$, since $-2 + 2(4) \neq -2$.

The car consumed fuel at a rate of 34 miles per gallon, so the car used $\frac{240}{34}$ gallons of fuel, which is approximately 7 gallons of fuel.

Choices A, B, and C are incorrect. For each of these choices, the amount of fuel is not enough to travel the entire 240 miles.



Item Difficulty: Medium
Content: Heart of Algebra
Correct Answer: D

Choice D is the correct answer. In the xy-plane, the slope m of a line that passes through the points (x_1, y_1) and (x_2, y_2) is the change in y over the change in x (rise over run), which is expressed by the formula $m = \frac{y_2 - y_1}{x_2 - x_1}$. Thus, the slope of the line through the points $\left(-\frac{5}{2}, 1\right)$ and $\left(-\frac{1}{2}, 4\right)$ is $\frac{4 - 1}{-\frac{1}{2} - \left(-\frac{5}{2}\right)}$, which simplifies to $\frac{3}{2}$.

Choices A and C are incorrect because the change in y and the change in x do not have the same magnitude. Choice B is incorrect; the fraction $-\frac{2}{3}$ is the negative reciprocal of the slope of the line through the points $\left(-\frac{5}{2}, 1\right)$ and $\left(-\frac{1}{2}, 4\right)$.

PSAT/NMSQT Practice Test #1

Item Difficulty: Medium
Content: Probability and Data Analysis
Correct Answer: B

Choice B is the correct answer. Of the choices given, only the scatterplots in A and B show a negative association between variables x and y, and of these two associations, the one depicted in choice B is not linear.

Choice A is incorrect. The association depicted in this scatterplot is negative, but it can also be linear. Choice C is incorrect. The association depicted in this scatterplot is not linear. However, for x greater than 0, the association between x and y is positive. Choice D is incorrect. There is no clear association between x and y in this scatterplot.

of the 31 th and 41 th tallest pyramids. Since the number of pyramids that are less than 60 meters high is 5 and the number of pyramids that are less than 70 meters high is 17 , the median height of the 20 pyramids must be between 55 and 60 meters. Therefore, of the choices given, only 58 meters could be the median height of the 20 pyramids.

Choices A, C, and D are incorrect because the median height of the 20 pyramids cannot be less than 55 meters or greater than 60 meters.

Â

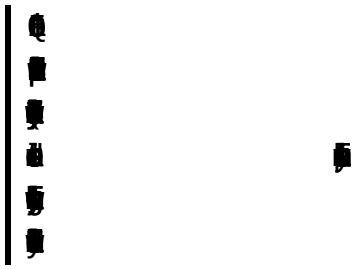
Questions 14 -16 refer to the following information.
A survey of 170 randomly selected teenagers aged 14 through 17 in the United States was conducted to gather data on summer employment of teenagers. The data are shown in the table below.

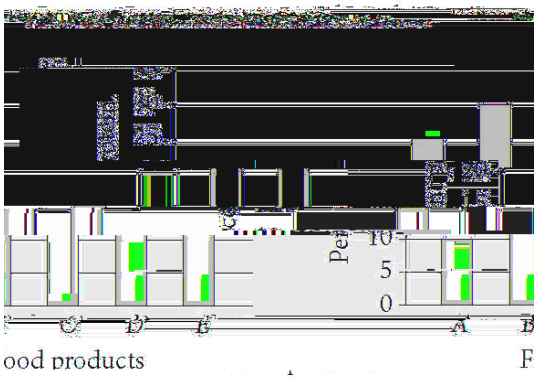
[illegible]	41
[illegible]	
[illegible]	
A, 25	
B, 35	
C, 46	
D, 58	

Item Difficulty: Medium
Content: Probability and Data Analysis
Correct Answer: B

Choice B is the correct answer. The number of teenagers surveyed in the data is 170 . Of those surveyed, a total of 59 teenagers had a summer job; thus, the percent of those teenager surveyed who had a summer job i [illegible] w 1.284(O

asked in this question. Choices C and D are incorrect and may be the result of calculating relative frequencies that are different from what the problem asks.





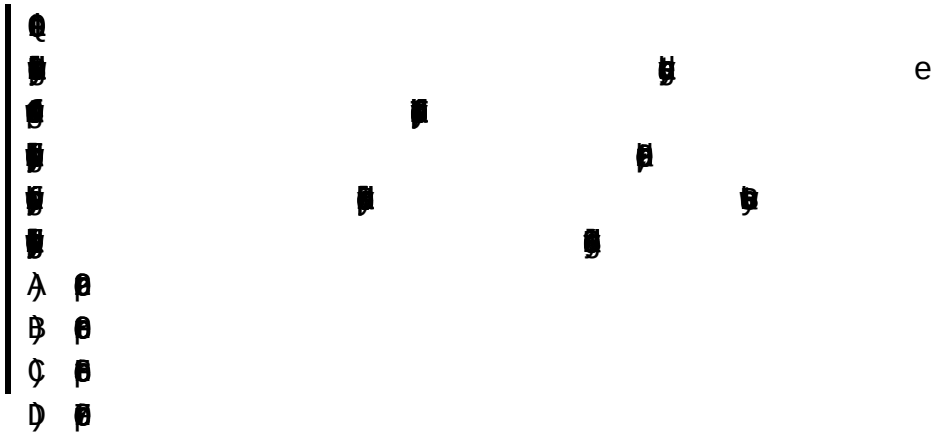
Item Difficulty: Medium
Content: Probability and Data Analysis
Correct Answer: C

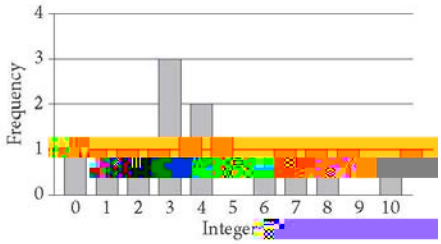
Choice C is the correct answer. The table below organizes the information in the graph and the additional data needed to answer the question.

Food product	Cost of 10 grams of product	Amount of product (in grams)	Percent protein	Amount of protein (in grams)	Protein per dollar (in grams/dollar)
A	$2.00	10	10%	0.1(10) = 1	$\frac{10(0.1)}{2} = 0.5$
B	$2.20	10	15%	0.15(10) = 1.5	$\frac{10(0.15)}{2.2} = 0.68$
C	$2.50	10	20%	0.2(10) = 2	$\frac{10(0.2)}{2.5} = 0.8$
D	$4.00	10	25%	0.25(10) = 2.5	$\frac{10(0.25)}{4} = 0.625$
E	$5.00	10	30%	0.3(10) = 3	$\frac{10(0.3)}{5} = 0.6$

A

in a combined 0 % >0 % = 0 % increase of the area. Choice D is incorrect. This choice does not take into account the change to height, BE





Item Difficulty: Medium
Content: Probability and Data Analysis
Correct Answer: C

Choice C is the correct answer. There are 12 integers in the list, and some of them are repeated at the frequencies shown in the graph. So the mean of the list of numbers is the sum of the numbers (repeats included) divided by 12. That is

$$\frac{0+1+2+3(3)+2(4)+6+7+8+10}{12} = 4.25.$$

Choice A is incorrect; 3 is the mode, not the mean, of the list of numbers. Choice B is incorrect; 5 is the median, not the mean, of the list of numbers. Choice D is incorrect; 12 is the total number of the integers in the list.

Question 21

What is the minimum value of the function graphed on the xy-plane

Question 17

The graph above shows the amount of protein supplied by five different food products, A, B, C, D, and E, as a percentage of their total weights. The costs of 10 grams of products A, B, C, D, and E are \$2.00, \$2.20, \$2.50, \$4.00, and \$5.00, respectively. Which of the five food products supplies the most protein per dollar?

A) A
B) B
C) C
D) E

Item Difficulty: Medium
Content: Probability and Data Analysis
Correct Answer: C

Choice C is the correct answer. The table below organizes the information in the graph and the additional data needed to answer the question.

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Item Difficulty: Medium
Content: Probability and Data Analysis
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