K-12

ISEE-Lower-Level
Independent School Entrance Exam (ISEE)

Questions & Answers PDF

For More Information:
https://www.certswarrior.com/

Features:

➢ 90 Days Free Updates

➢ 30 Days Money Back Guarantee

➢ Instant Download Once Purchased

➢ 24/7 Online Chat Support

➢ Its Latest Version

Latest Version: 6.0

Question: 1

Of the 20 people in Joan's class, 4 of them have birthdays in the winter, 7 have birthdays in the spring, 3 have birthdays in the summer, and 6 have birthdays in the fall. What is the probability a student chosen at random will have a birthday in either the spring or the summer?

- a. $\frac{3}{20}$
- b. $\frac{3}{10}$
- c. $\frac{7}{20}$
- d. $\frac{1}{2}$

Answer: D

Explanation:

Since the probability of being born in the spring or summer is being calculated, the probabilities are added. $\frac{7}{20} + \frac{3}{20} = \frac{10}{20} = \frac{1}{2}$.
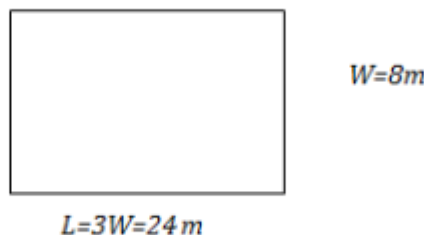
Question: 2

A rectangular plot in a garden is three times longer than it is wide. What is the perimeter of the garden if it has a width of 8 meters?

- a. 24 meters
- b. 32 meters
- c. 64 meters
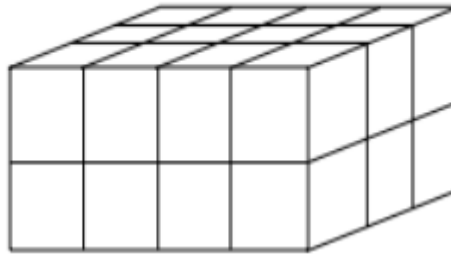- d. 192 meters

Answer: C

Explanation:

A diagram of the plot would look like this:

W=8m

L=3W=24 m

The perimeter of a rectangle is the formula $P = 2L + 2W$ which produces $2(24) + 2(8) = 48 + 16 = 64\ m$.

Question: 3

The figure below is divided into cubes. Each cube has a volume of 1 unit³. What is the volume of this figure?

A. 12 units
B. 16 units
C. 18 units
D. 24 units

Answer: D

Explanation:
To find the volume of the rectangular prism, find the number of cubes in the figure. The figure has two layers of cubes. On the top layer, the number of cubes can be counted. There are 12 cubes on the top layer. The bottom layer is the same as the top, so there are also 12 cubes in the bottom layer. There are 24 total cubes in the figure, so the volume of the figure is 24 units³.

Question: 4

Which of the following correctly describes the relationship between the values of x and y, as shown in the table below?

x	y
1	4
2	8
3	12
4	16

a. The value of x is 6 less than the value of y
b. The value of y is 4 times the value of x
c. The value of y is 4 more than the value of x
d. The value of x is 1 less than the value of y

Answer: B

Explanation:
The value of y is indeed 4 times the value of x. Note. 4 is 4 times the value of 1; 8 is 4 times the value of 2; 12 is 4 times the value of 3; and 16 is 4 times the value of 4.

Question: 5

A bag full of C cookies is equally distributed among S students. Which expression correctly determines the number of cookies each student receives?

- a. $C \div S$
- b. $C \times S$
- c. $C - S$
- d. $S \div C$

Answer: A

Explanation:

$C \div S$. Since the cookies are being divided up equally between the S students. Use some numbers to help see the correct answer. If $C = 40$ and $S = 10$.

$$C \div S = 40 \div 10 = 4$$

The incorrect choices produce the following with these values:

$$C \times S = 40 \times 10 = 400$$

$$C - S = 40 - 10 = 30$$

$$S \div C = 10 \div 40 = \frac{1}{4}$$

None of these seem reasonable.

Question: 6

Harlan plans to make stew for a large group. The recipe he uses requires 150 carrots. He knows that he can buy large bags of carrots for $3.75 each. What additional information does Harlan need to find the amount of money the carrots will cost for his stew?

- a. The amounts of other vegetables he will need for the stew
- b. The number of people he expects to eat the stew
- c. The price each person attending the event paid
- d. The number of carrots in a large bag of carrots

Answer: D

Explanation:

Since Harlan knows the cost of each bag of carrots, and also how many total carrots he needs, he also needs to know the number of carrots in each bag to find the number of bags he needs to buy. Then, he can multiply the number of bags by the price to find the amount of money the carrots for his stew will cost.

Question: 7

Which of the following is correct?

- a. $\frac{4}{7} = \frac{12}{21}$
- b. $\frac{3}{4} = \frac{12}{20}$
- c. $\frac{5}{8} = \frac{15}{32}$
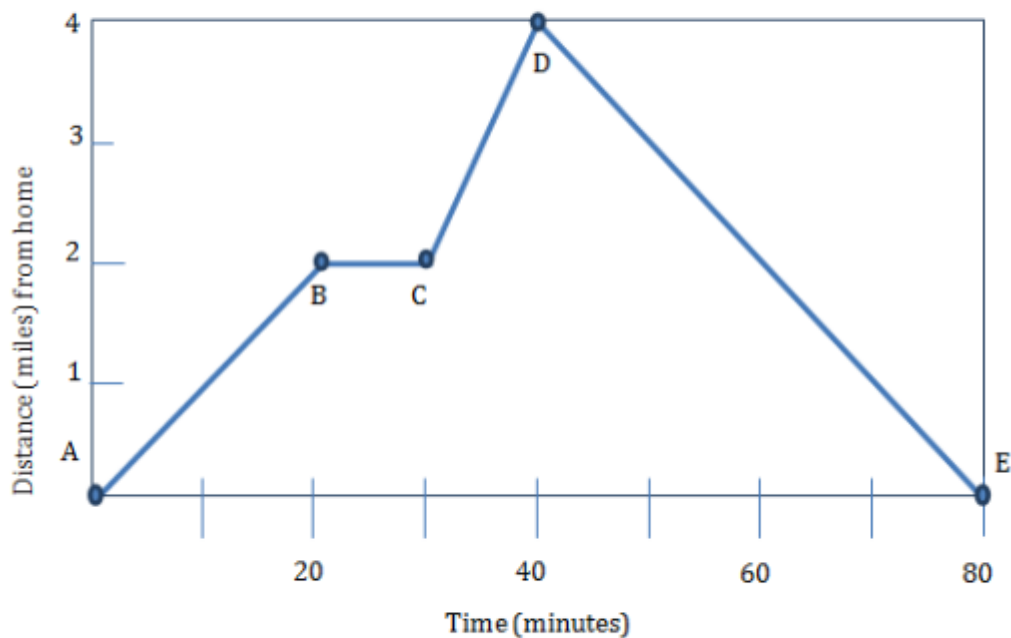- d. $\frac{7}{9} = \frac{28}{35}$

Explanation:

To solve, test each answer. Notice that in (A), the numerator has been multiplied by 3 to get 12. The denominator has been multiplied by 3 to get 21. In (B) the numerator has been multiplied by 4 and the denominator has been multiplied by 5. In (C), the numerator has been multiplied by 3 and the denominator has been multiplied by 4. In (D), the numerator has been multiplied by 4 and the denominator has been multiplied by a number less than 4.

Question: 8

Aaron goes on a run every morning down the straight country road that he lives on. The graph below shows Aaron's distance from home at times throughout his morning run. Which of the following statements is (are) true?

     I. Aaron's average running speed was 6 mph.
     II. Aaron's running speed from point A to point B was the same as his running speed from point D to E.
     III. Aaron ran a total distance of four miles.

    a. I only
    b. II only
    c. I and II
    d. I, II, and III

Explanation:

Aaron ran four miles from home and then back again, so he ran a total of eight miles.

Therefore, statement III is false. Statements I and II, however, are both true. Since Aaron ran eight miles in eighty minutes, he ran an average of one mile every ten minutes, or six miles per hour; he ran two miles from point A to B in 20 minutes and four miles from D to E in 40 minutes, so his running speed between both sets of points was the same.

Question: 9

An electronics store sells E Evercell brand batteries in packages of 4 and D Durapower brand batteries in packages of 6. Which expression represents the total number of batteries in the store?

a. $(4 + E) \times (6 + D)$
b. $(4 \times E) + (6 \times D)$
c. $(4 + E) + (6 + D)$
d. $(4 \times E) \div (6 \times D)$

Answer: B

Explanation:

The total number of Evercell batteries is $(4 \times E)$ and the total number of Durapower batteries is $(6 \times D)$. The sum of the two is the total number of batteries in the store.

Question: 10

A woman wants to park her 15-foot-long car in a garage that is 19 feet long. How far from the front of the garage will the front of her car need to be so that the car is centered on the floor of the garage?

a. 2 feet
b. $2\frac{1}{2}$ feet
c. 3 feet
d. $3\frac{1}{2}$ feet

Answer: A

Explanation:

To solve, first figure out how much room is left when her car and the garage are taken into account: 19 feet − 15 feet = 4 feet. To center the car, it would have to be parked 2 feet from the front of the garage because 2 feet is half of 4 feet.

CERTSWARRIOR

FULL PRODUCT INCLUDES:

Money Back Guarantee

Instant Download after Purchase

90 Days Free Updates

PDF Format Digital Download

24/7 Live Chat Support

Latest Syllabus Updates

For More Information – Visit link below:

https://www.certswarrior.com

Visit us athttps://www.certswarrior.com/exam/isee-lower-level/