

Which list shows the numbers in order from greatest to least value?

F $-\frac{19}{2}$ $-3\frac{1}{4}$ -1.2 $\frac{38}{6}$ 7

G 7 $\frac{38}{6}$ $-\frac{19}{2}$ $-3\frac{1}{4}$ -1.2

H $-\frac{19}{2}$ 7 $\frac{38}{6}$ $-3\frac{1}{4}$ -1.2

J 7 $\frac{38}{6}$ -1.2 $-3\frac{1}{4}$ $-\frac{19}{2}$

What is the value of the expression shown?

$$4(-2) + (-10) + 3(-8)$$

A -22

B -13

C 7

D -42

There is a 1 in 8 chance of a player winning a game. Which value is equivalent to the chance of the player winning the game?

F $\frac{100}{125}$

G $\frac{125}{10}$

H 1.25

J 0.125

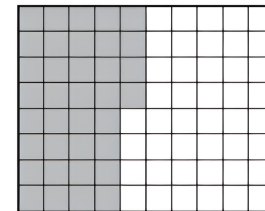
The rectangular model is made up of squares. Each square is of equal size. What percentage of the model is shaded?

F 36%

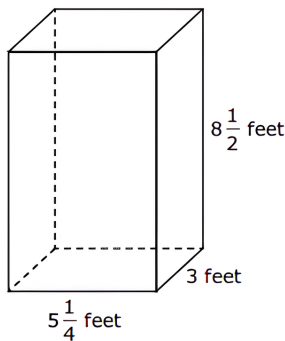
G 50%

H 45%

J 40%



The dimensions of the rectangular prism are given in feet.



What is the volume of the rectangular prism in cubic feet?

F $120\frac{1}{8} \text{ ft}^3$

G $133\frac{7}{8} \text{ ft}^3$

H $16\frac{3}{4} \text{ ft}^3$

J $24\frac{1}{4} \text{ ft}^3$

Which expression is equivalent to

$$\frac{12 + 6}{2} ?$$

F $(12 + 6) \div 2$

G $12 + 6 \div 2$

H $12 \div 2 + 6$

J $12 \div (2 + 6)$

The length of the base of a parallelogram is 14 centimeters, and the corresponding height is h centimeters. Which formula can be used to find A , the area of the parallelogram in square centimeters?

A $A = 14 + h$

B $A = 14h$

C $A = \frac{1}{2}(14h)$

D $A = \frac{1}{2}(14 + h)$

The bases of a trapezoid are 8 centimeters and 12 centimeters, and the height is h centimeters. Which equation can be used to represent A , the area of the trapezoid in square centimeters?

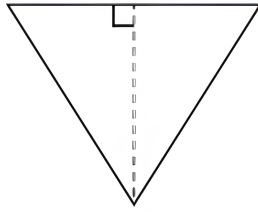
F $A = \frac{1}{2}(8 + 12)h$

G $A = \frac{1}{2}(8 \cdot 12)h$

H $A = (8 + 12)h$

J $A = (8 \cdot 12)h$

Use the ruler provided to measure the dimensions of the triangle to the nearest $\frac{1}{4}$ inch.



Which measurement is closest to the area of the triangle in square inches?

A $1\frac{7}{8} \text{ in.}^2$

B $2\frac{1}{4} \text{ in.}^2$

C $\frac{15}{16} \text{ in.}^2$

D $\frac{9}{16} \text{ in.}^2$

Which expression is equivalent to $10 + 5^4$?

A $10 + 5 \cdot 4$

B $(10 + 5)^4$

C $(10 + 5) \cdot 4$

D None of these

Which statement about 96 multiplied by $11/8$ is true?

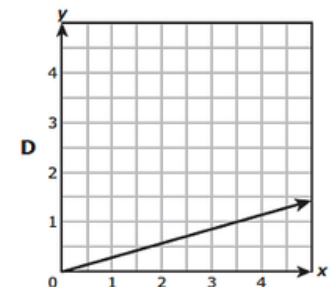
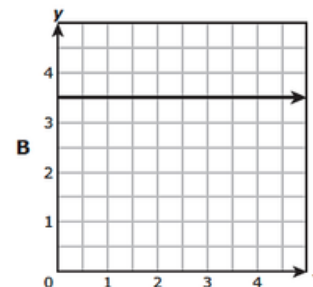
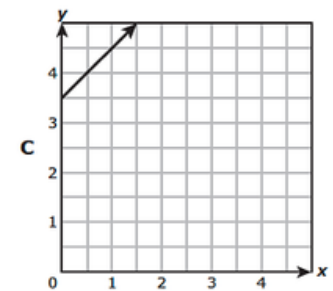
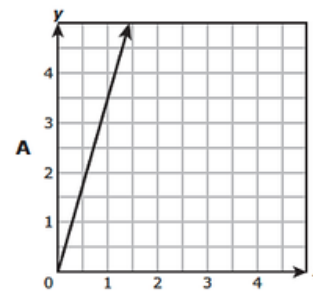
F The product is less than $\frac{11}{8}$.

G The product is greater than 96.

H The product is between $\frac{11}{8}$ and 96.

J The product is equal to 96.

Which graph best represents the relationship between x and y in the equation $y = 3.5x$?



Which situation is best represented by the inequality:

$$\frac{x}{12} \geq 7?$$

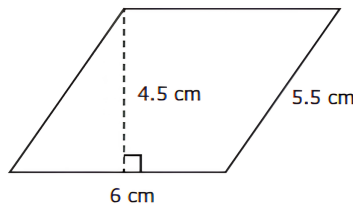
- F** Emily divided x crayons into 12 boxes, and there were at most 7 crayons in each box.
- G** Emily separated x books on 12 shelves, and there were more than 7 books on each shelf.
- H** Emily poured x ounces of juice into 12 cups, and each cup had no less than 7 ounces of juice.
- J** Emily shared x cookies among 12 people, and each person received less than 7 cookies.

Which expression is equivalent to:

$$6 \div \frac{2}{5}?$$

- A** $\frac{1}{6} \cdot \frac{2}{5}$
- B** $6 \cdot \frac{5}{2}$
- C** $\frac{1}{6} \div \frac{2}{5}$
- D** $6 \div \frac{5}{2}$

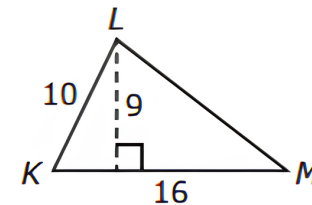
The dimensions of a parallelogram are given in centimeters.



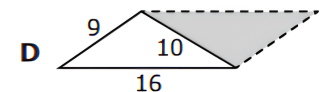
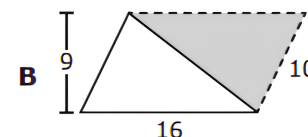
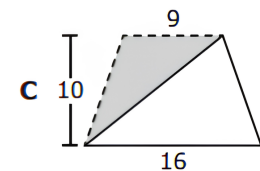
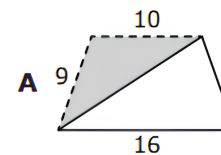
What is the area of the parallelogram in square centimeters?

- F** 33 cm^2
- G** 23 cm^2
- H** 27 cm^2
- J** 16 cm^2

Triangle KLM is shown with dimensions given in units.



Which figure best models the area formula for triangle KLM ?



Kelli walks no more than 25 dogs on Mondays.

Ms. Lincoln has 5 dogs that Kelli walks. The inequality can be used to find x , the number of dogs Kelli can walk on Monday in addition to Ms. Lincoln's dogs.

$$x + 5 \leq 25$$

Which inequality represents all possible values of x ?

F $x \geq 20$

G $x \leq 20$

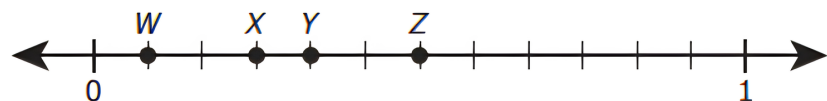
H $x \geq 30$

J $x \leq 30$

Susie paid $\frac{2}{5}$ of the price of her movie ticket. Her parents paid the remaining portion of the movie ticket price.

What decimal is equivalent to the fraction of the price of the movie ticket Susie paid for?

Four points are plotted on the number line.



Which point best represents $33\frac{1}{3}\%$ of the distance between 0 and 1?

A Point W

B Point X

C Point Y

D Point Z

The table shows the prices of 6 different backpacks at a store.

Backpack Prices	
Price (dollars)	
14	
24	
24	
36	
40	
45	

What is the median price of the backpacks in dollars and cents?

Which expression is equivalent to $1,000 + 196$?

F $10^2 + 7 \cdot 28$

G $10^3 + 14^2$

H $100^3 + 7 \cdot 28$

J $100^2 + 14^2$

The pressure in a tank was compared to standard each morning for 5 days. The table shows the data recorded.

Pressure Compared to Standard	
Day	Difference from Standard
Monday	-0.2
Tuesday	0.08
Wednesday	-1.3
Thursday	-0.18
Friday	0.13

Which list shows the values in the table from least to greatest?

- (A) 0.08 0.13 -0.18 -0.2 -1.3
- (B) 0.08 0.13 -0.2 -1.3 -0.18
- (C) -1.3 -0.2 -0.18 0.08 0.13
- (D) -1.3 -0.18 0.13 0.08 -0.2

Akeem created a list by correctly putting a group of fractions, percentages, and decimals in order from least to greatest value. Which list could be the one Akeem created?

- A** 0.21 22% $\frac{1}{4}$ 0.35 38% $\frac{3}{8}$
- B** 22% 38% 0.21 $\frac{1}{4}$ 0.35 $\frac{3}{8}$
- C** 22% 38% $\frac{1}{4}$ 0.21 0.35 $\frac{3}{8}$
- D** 0.21 22% $\frac{1}{4}$ 0.35 $\frac{3}{8}$ 38%

Which expressions have a value of 15.4?
Select **TWO** correct answers.

- ☐ $5.4 \left(3\frac{2}{3} \right)$
- ☐ $45.12 \div \frac{1}{3}$
- ☐ $3.85 \div 0.25$
- ☐ $30.8 (2.5)$
- ☐ $9.24 \div \frac{3}{5}$

The cost of 54 tickets to a water park is \$972.

Each ticket costs the same amount.

Which table or equation represents the relationship between the number of tickets, t , and the total cost of the tickets, c ?

Select **TWO** correct answers.

☐ $t = 18c$

☐ $c = 54t$

☐ $t = 54c$

☐ $c = 18t$

☐

t	c
12	216
15	270
18	324

☐

t	c
10	540
12	648
14	756