

## CA Grade 6 Standard 6.NS.1.3

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### MULTIPLE CHOICE

1. Suppose it costs \$180 for to feed a family of 4 for one week. Which proportion could be solved for to find  $x$ , the amount of money it costs to feed a family of 6 for one week?

A.  $\frac{4}{180} = \frac{x}{6}$

C.  $\frac{4}{180} = \frac{6}{x}$

B.  $\frac{180}{6} = \frac{x}{4}$

D.  $\frac{180}{4} = \frac{6}{x}$

2. Corey is 66 inches tall. At noon, Corey casts a shadow 108 inches long. At the same time, a tree casts a shadow 216 inches long. How tall is the tree?

A. 132 inches

C. 153 inches

B. 145 inches

D. 160 inches

3. What is the value of  $x$  in the proportion below?

$$\frac{3}{7} = \frac{x}{28}$$

A. 4

C. 12

B. 9

D. 15

4. A city map uses the scale of 2 centimeters to represent 5 miles. The length of Highway 47 on the map is 12 centimeters. What is the actual length of the highway?

A. 10 miles

C. 60 miles

B. 30 miles

D. 120 miles

5. Ian bought 3 pencils for 25¢ at the school store. His teacher spent \$2.50 on pencils at the school store. How many pencils did Ian's teacher buy?

A. 15

C. 25

B. 20

D. 30

6. Sergio deposited \$50 in his savings account every 4 weeks. Which proportion shows how to find the amount of money  $y$ , that Sergio saved in 24 weeks?

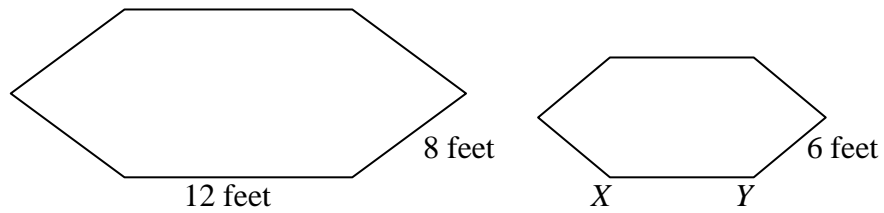
A.  $\frac{4}{50} = \frac{y}{24}$

C.  $\frac{50}{4} = \frac{y}{24}$

B.  $\frac{y}{4} = \frac{50}{24}$

D.  $\frac{24}{4} = \frac{50}{y}$

7. The hexagons below are similar.



What is the length of  $\overline{XY}$ ?

- A. 7 feet  
B. 9 feet  
C. 10 feet  
D. 11 feet
8. Yesterday it took Lilly 8 hours to drive 408 miles from Cleveland, Ohio to New York City, New York. Today she is driving 102 miles from New York City to Hartford, Connecticut. If she drives at the same rate as yesterday, how many hours will it take to get to Hartford?
- A. 0.5  
B. 1  
C. 2  
D. 4
9. What is the value of  $y$  in the proportion below?
- $$\frac{8}{5} = \frac{24}{y}$$
- A. 6  
B. 10  
C. 13  
D. 15
10. A flag pole that is 9 feet high casts a shadow 12 feet long. At the same time, a house casts a shadow 32 feet long. What is the approximate height of the house?
- A. 16 feet  
B. 20 feet  
C. 24 feet  
D. 26 feet