



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

- 1 Sally drives **60 miles** to Buffalo. It takes her **58 minutes**. Devon drives **100 miles** to Syracuse and it takes him **1½ hours**. Sally is driving faster.

True or false?

- A true  
B false



- 3 Two ratios that are equal to each other form an equation called a \_\_\_\_\_.

- A rate  
B ratio  
C variable  
D proportion

$$\frac{2}{6} = \frac{1}{3}$$

- 2 Kara reads **1,967** words in **7** minutes. Julie reads **1,620** words in **6** minutes. Kara reads faster than Julie.

True or false?

- A true  
B false



- 4 The proportion,  $\frac{6}{8} = \frac{x}{36}$ , can be solved using the **Cross Product Property**.

Which equation correctly represents the Cross Product Property?

- A  $6 \cdot 8 = x \cdot 36$   
B  $6 \cdot x = 8 \cdot 36$

5



## PREVIEW

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7

- A 12  
B 19  
C 27  
D 36



- A 10.4  
B 32.5  
C 42.9  
D 65



9

- Two rectangular pillows are similar. The larger pillow measures **42 in. x 21 in.** ( $l \times w$ ). If the smaller pillow has a length of **12 in.**, what is its **width**?

- A 6 in.      C 25.2 in.  
B 24 in.     D 73.5 in.

10

- Two windows are similar. The taller window measures **67 cm x 115 cm** ( $b \times h$ ). If the **base** of the shorter window is **45 cm**, what approximately is the **height** of the shorter window?

- A 26 cm      C 93 cm  
B 77 cm      D 171 cm



## ANSWER KEY

Sally drives **60 miles** to Buffalo. It takes her **58 minutes**. Devon drives **100 miles** to Syracuse and it takes him **1½ hours**. Sally is driving faster.

True or false?

- A true
- B false



(b)

Kara reads **1,967** words in **7** minutes. Julie reads **1,620** words in **6** minutes. Kara reads faster than Julie.

True or false?

- A true
- B false



(a)

Two ratios that are **equal** to each other form an **equation** called a \_\_\_\_\_.

- A rate
- B ratio
- C variable
- D proportion

$$\frac{2}{6} = \frac{1}{3}$$

(d)

The proportion,  $\frac{6}{8} = \frac{x}{36}$ , can be solved using the **Cross Product Property**.

Which equation correctly represents the Cross Product Property?

- A  $6 \cdot 8 = x \cdot 36$
- B  $6 \cdot x = 8 \cdot 36$
- C  $6 \cdot 36 = 8 \cdot x$

(c)



## PREVIEW

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- A 12
- B 19
- C 27
- D 36



- B 32.9
- C 42.9
- D 65



Two rectangular pillows are similar. The larger pillow measures **42 in. x 21 in.** ( $l \times w$ ). If the smaller pillow has a length of **12 in.**, what is its **width**?

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(a)

Two windows are similar. The taller window measures **67 cm x 115 cm** ( $b \times h$ ). If the **base** of the shorter window is **45 cm**, what approximately is the **height** of the shorter window?

- A 26 cm
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(b)