

## Proportions - Multiple Choice

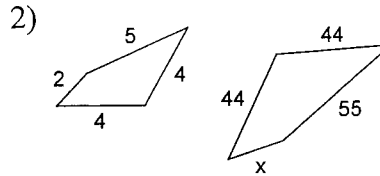
Date \_\_\_\_\_ Period \_\_\_\_\_

State if each pair of ratios forms a proportion.

1)  $\frac{2}{4}$  and  $\frac{12}{16}$

- A) Yes      B) No

Each pair of figures is similar. Find the missing side.



- A) 55      B) 22  
C) 484      D) 2

Solve each proportion.

3)  $\frac{4}{10} = \frac{8}{x}$

- A) 16      B) 2  
C) 5      D) 20

4)  $\frac{9}{2} = \frac{2}{x}$

- A) 9      B) 0.44  
C) 0.45      D) 4.4

5) If a 4 ft tall bird bath casts a 2 ft long shadow, then how tall is an adult giraffe that casts a 7 ft shadow?

- A) 3.5 ft      B) 7 ft  
C) 14 ft      D) 2 ft

6) Find the distance between Sun Valley and Fairview on a map with a scale of 3 in : 7 mi if they are actually 21 mi apart.

- A) 49 in      B) 9 in  
C) 4 in      D) 10 in

7) A model submarine has a scale of 3 in : 2 ft. If the real submarine is 18 ft long, then how long is the model submarine?

- A) 16 in      B) 27 in  
C) 12 in      D) 2 in

8) If you can buy four packages of strawberries for \$10, then how many can you buy with \$25?

- A) 62.5      B) 10  
C) 9      D) 8

9) Emily enlarged the size of a painting to a width of 12 in. What is the new height if it was originally 4 in tall and 3 in wide?

- A) 16 in      B) 14 in  
C) 48 in      D) 12 in

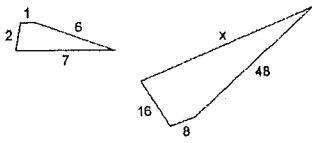
10) The money used in Kuwait is called the Dinar. The exchange rate is 2 Dinar to \$5. Find how many Dinars you would receive if you exchanged \$60.

- A) 150 Dinars      B) 22 Dinars  
C) 15 Dinars      D) 24 Dinars

Math 7R – Ch5A – REVIEW  
 Proportions – Show Work

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

<p>1. Solve the proportion for b.</p> $\frac{3}{b} = \frac{10}{9}$	<p>2. Find the missing side by setting up a proportion.</p> 
<p>3. If a 18 ft tall ladder casts a 9 ft long shadow, then how tall is a statue that casts a 8 ft shadow?</p>	<p>4. A model car is 32 in long. If it was built with a scale of 4 in : 3 ft, then how long is the real car?</p>
<p>5. Ted enlarged the size of a rectangle to a height of 12 in. What is the new width if it was originally 1 in wide and 3 in tall?</p>	<p>6. 18 peaches cost \$12.60. How many peaches can you buy for \$2.10?</p>