

## Proportions and Similar Figures Exit Quiz

**Part A Instructions:** Choose the option that completes the sentence or answers the question.

1. The similar figures have:

- a. Same shape and size
- b. Different shape but same size
- c. Same shape but different sizes
- d. None of these

2. The corresponding sides of similar shapes are:

- a. Equal
- b. Congruent
- c. Proportional
- d. Zero

3. In the proportion  $\frac{a}{b} = \frac{c}{d}$ , the cross product property applied results in:

- a.  $ac = bd$
- b.  $ad = bc$
- c.  $a + d = b + c$
- d.  $a = d$

4. The solution of the proportion  $\frac{2}{9} = \frac{k}{18}$  is?

- a. 9
- b. 4
- c. 6
- d. 54

**Part B Instructions:** Answer the question below.

5. On a map, the length of a river is 4.75 km. What is the scale of the map if the actual length of the river is 247 km?

Scale = \_\_\_\_\_

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### Answers

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**Part B Instructions:** Answer the question below.

5. On a map, the length of a river is 4.75 km. What is the scale of the map if the actual length of the river is 247 km?

Scale = 1 inch : 52 km