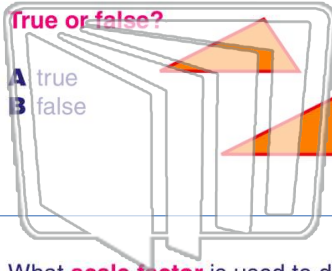


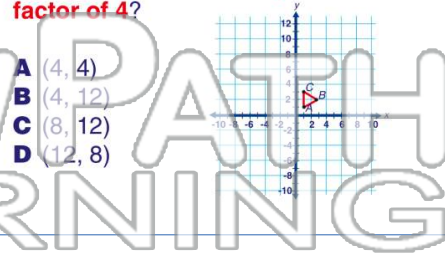


Name _____ Class _____ Date _____

- 1 In order to be **similar**, two figures must have the same **size and shape**.



- 2 What are the coordinates of **B** when the figure shown is **dilated by a scale factor of 4**?



- 3 What **scale factor** is used to dilate triangle **ABC** to triangle **A'B'C'**?



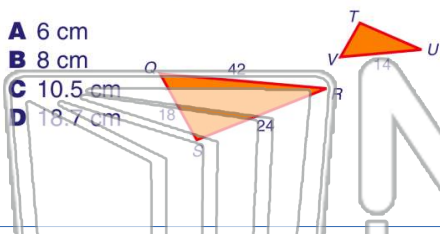
- 4 The figure shown is dilated by a **scale factor of .5**. What is the



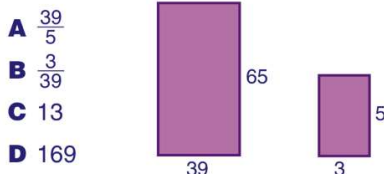
PREVIEW

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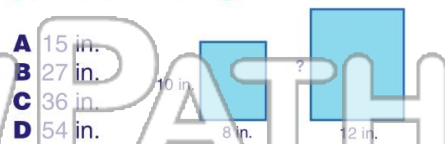
- 7



- 9 For the rectangles shown, what is the **ratio** of the larger rectangle's area to the smaller rectangle's area?



- 8 The length of one side of a square frame is **12 in.** wide. What is the **perimeter** of the larger frame?



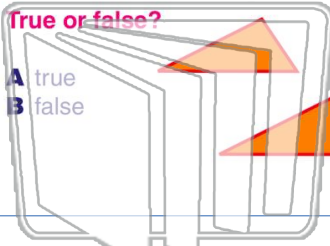
- 10 An architect has blueprints for a house. The scale is $\frac{1}{2}$ in. = 2.5 ft. If the blueprint measures the length of the house to be **12 in.**, what is the **actual length** of the house?





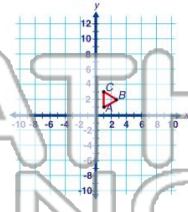
Name _____ Class _____ Date _____

1 In order to be **similar**, two figures must have the same **size and shape**.



2 What are the coordinates of **B** when the figure shown is **dilated by a scale factor of 4**?

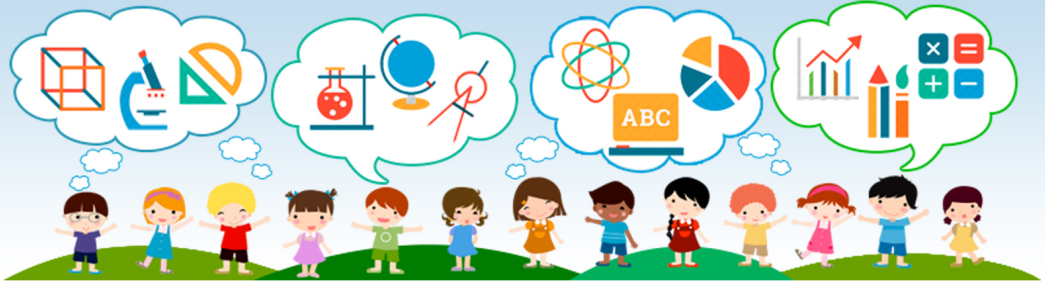
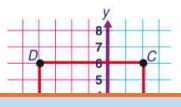
- A (4, 4)
- B (4, 12)
- C (8, 12)
- D (12, 8)



3 What **scale factor** is used to dilate triangle **ABC** to triangle **A'B'C'**?



4 The figure shown is dilated by a **scale factor of .5**. What is the...

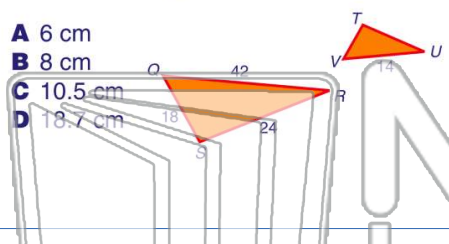


PREVIEW

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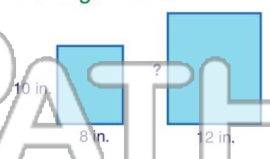
7

- A 6 cm
- B 8 cm
- C 10.5 cm
- D 18.7 cm



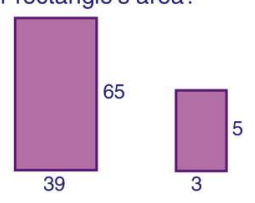
other is **12 in.** wide. What is the **perimeter** of the larger frame?

- A 15 in.
- B 27 in.
- C 36 in.
- D 54 in.



9 For the rectangles shown, what is the **ratio** of the larger rectangle's area to the smaller rectangle's area?

- A $\frac{39}{5}$
- B $\frac{3}{39}$
- C 13
- D 169



10 An architect has blueprints for a house. The scale is $\frac{1}{2}$ in. = 2.5 ft. If the blueprint measures the length of the house to be **12 in.**, what is the **actual length** of the house?

- A 2.4 ft
- B 30 ft
- C 60 ft
- D 120 ft