REVIEW: Similar Figures

Name _____

Key Concept and Vocabulary

Corresponding angles

Corresponding sides
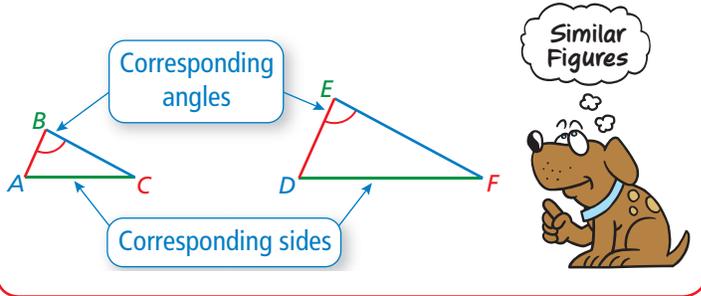
Similar Figures

Visual Model

Similar figures are the same shape, but not necessarily the same size.

full size

half size
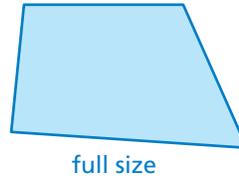
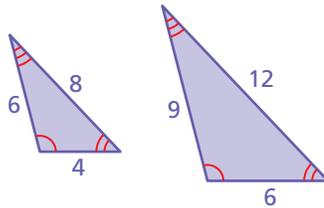## Skill Example

1. **Similar Triangles**

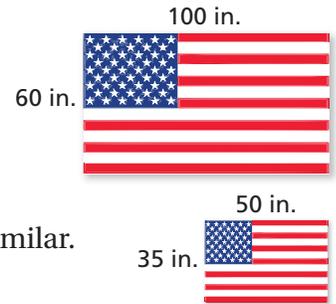$$\frac{9}{6} = \frac{12}{8} = \frac{6}{4}$$

Ratios of corresponding sides are equal.

6   8
4

12
9
6

Application Example

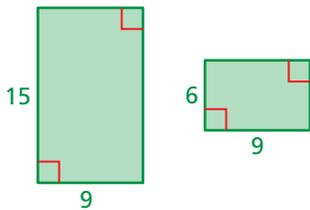2. Are the two flags similar?

$$\frac{60}{35} \neq \frac{100}{50}$$

∴ They are not similar.

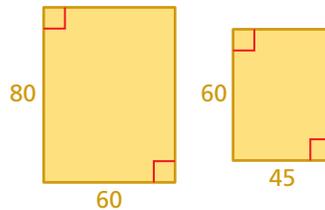100 in.
60 in.

50 in.
35 in.

PRACTICE MAKES *PURR*-FECT™

Check your answers at BigIdeasMath.com.

Decide whether the two figures are similar.

3.
15   6
9   9

4.
80   60
60   45

5.
90   60
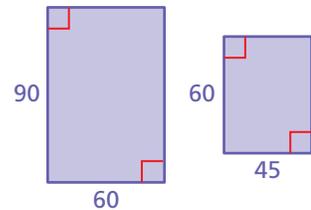60   45

6.
6   8   10   12
4   6

7.
4 m   10 m
8 m   20 m
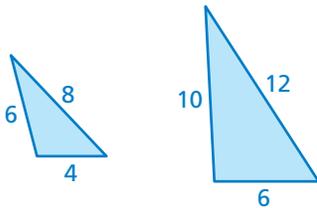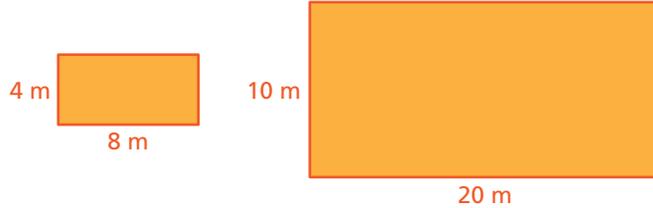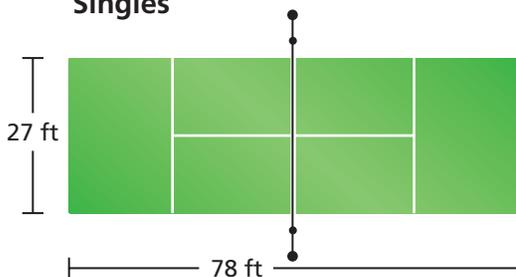
8. **TENNIS COURTS** Are the two tennis courts similar? Explain. _____

Singles
27 ft
78 ft

Doubles
36 ft
78 ft