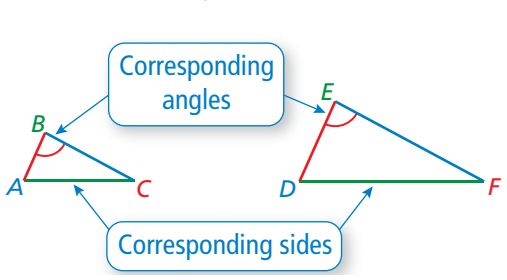
REVIEW: Similar Figures

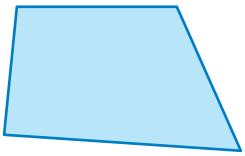
Name _____

Key Concept and Vocabulary



Visual Model

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



full size

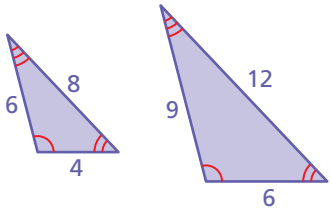
half size

Skill Example

1. Similar Triangles

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

Ratios of corresponding sides are equal.

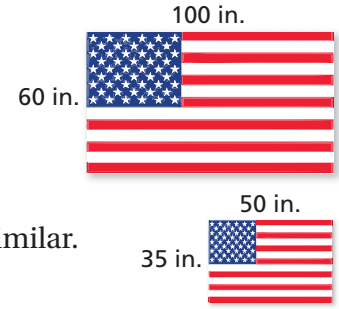


Application Example

2. Are the two flags similar?

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

∴ They are not similar.

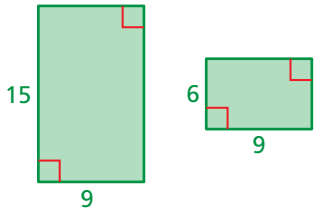


PRACTICE MAKES *PURR*-FECT™

Check your answers at BigIdeasMath.com.

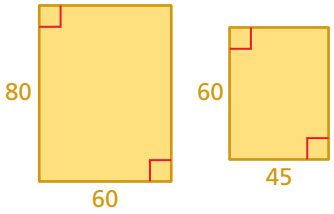
Decide whether the two figures are similar.

3.



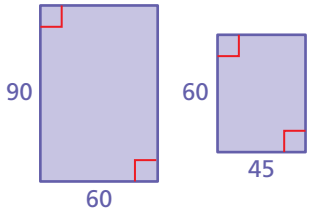
not similar

4.



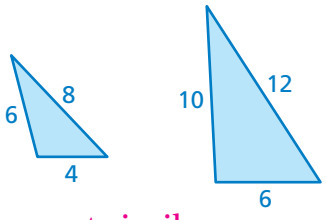
similar

5.



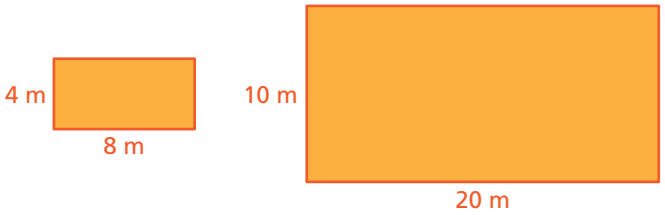
not similar

6.



not similar

7.

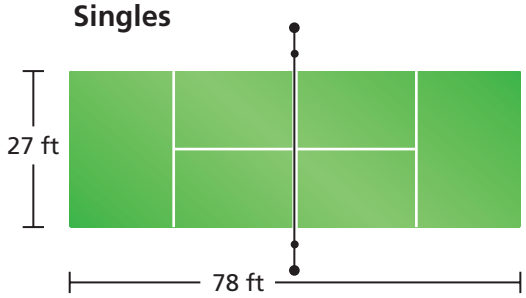


similar

8. TENNIS COURTS Are the two tennis courts similar? Explain.

no; $\frac{27}{36} \neq \frac{78}{78}$

Singles



Doubles