Homework

Activity 1

Write the missing number in each proportion.

1. $\frac{3}{6} = \frac{1}{x}$
2. $\frac{4}{8} = \frac{8}{y}$
3. $\frac{w}{5} = \frac{9}{15}$
4. $\frac{1}{4} = \frac{z}{12}$
5. $\frac{6}{9} = \frac{2}{a}$
6. $\frac{2}{c} = \frac{4}{20}$

Activity 2

Tell the dimensions of the similar shapes described in each problem.

Model A triangle has a base of 3 units and a height of 5 units. What are the dimensions of a similar triangle with sides that are twice the size?

Answer: The base is 3 • 2, or 6 units, and the height is 5 • 2, or 10 units.

1. A square is 3 centimeters by 3 centimeters. What are the dimensions of a similar square with sides that are three times that size?

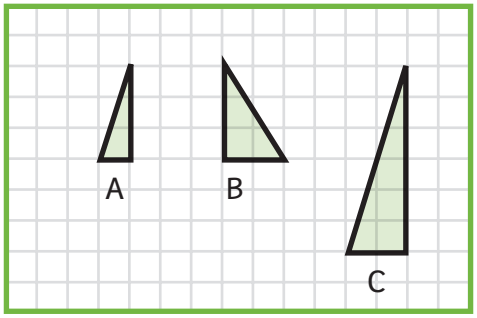
2. A rectangle is 4 inches by 8 inches. What are the dimensions of a similar rectangle with sides that are twice the size?

3. A triangle has a base of 2 centimeters and a height of 4 centimeters. What are the dimensions of a similar triangle with sides that are four times that size?

Homework

Activity 3

Tell which two shapes are similar and write the proportion. What is the scaling factor?



Activity 4 • Distributed Practice

Solve.

1. $\frac{3}{2} \cdot \frac{5}{4}$
2. $1.99 + 30.7$
3. $10.44 - 8.57$
4. $12.6 \div 0.2$
5. $\frac{8}{4} \div \frac{2}{1}$
6. $1.2 \cdot 8.4$
7. $\frac{3}{4} - \frac{1}{2}$
8. $1.25 + 3.75 + 2.9$