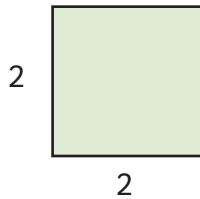


Homework

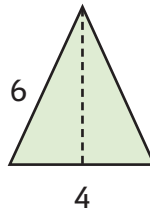
Activity 1

Find the area of the shapes.

1. What is the area of this square?  
Use the formula  $A = s^2$ .



2. What is the area of this triangle?  
Use the formula  $A = \frac{1}{2} \cdot b \cdot h$ .



Activity 2

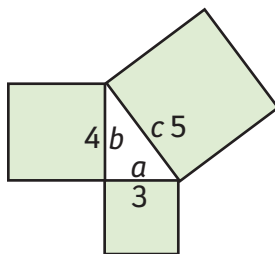
Write whether each of the statements about the properties of shapes is true or false. If the statement is false, rewrite it to make it true.

- All the sides of a rectangle are always the same length.
- All the sides of a square are always the same length.
- All the sides of a triangle are always the same length.
- The area of a triangle is half of the area of a rectangle if it has the same base and height.
- The area of a square is half the area of a rectangle if it has the same base and height.

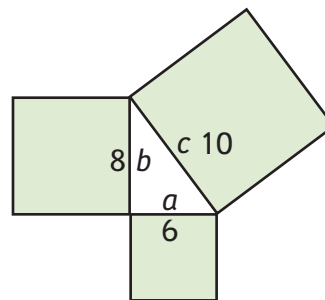
Activity 3

Prove the Pythagorean theorem works for these triangles.

1.



2.



Activity 4 • Distributed Practice

Create  $x/y$  tables for each of the following functions.

1.  $y = 3x$

2.  $y = -x$

3.  $y = \frac{1}{2}x$