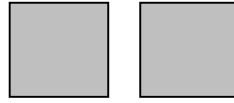


## Congruent Geometric Shapes

Cross-Curricular Focus: Mathematics






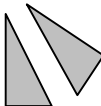
**Geometric** shapes are two dimensional, which means they are flat. There are many different kinds of shapes: circle, square, rectangle, triangle, pentagon, and more. Geometric shapes with only straight edges (sorry, no circles or curves) are called polygons.

It is fun to play with different geometric shapes and look for ways they are the same and different. Two shapes can be compared to see if they are **congruent**. Two shapes are congruent if they are the same size, AND the same shape.

Sometimes it's easy to tell if two shapes are congruent, but sometimes it's harder. It's important to remember that turning or flipping the shape does not stop the shapes from being congruent.

For example:

 is congruent to  even if one

turns:  or flips: 

Name: \_\_\_\_\_

**Answer the following questions based on the reading passage. Don't forget to go back to the passage whenever necessary to find or confirm your answers.**

1) If you have a big square and a little square, are they congruent? Explain.

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2) If you have two triangles that are congruent, and one of them has been turned so its top point is now facing toward the side, are they still congruent? Explain.

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3) If you have a little square, and a little triangle about the same size, are they congruent? Explain. \_\_\_\_\_

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4) What makes two shapes congruent?

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5) Draw two congruent rectangles.