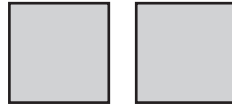


## Congruent Geometric Shapes

Cross-Curricular Focus: Mathematics

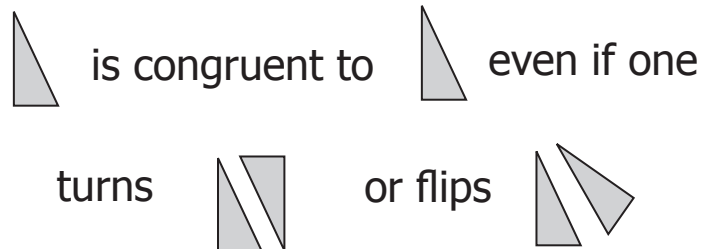


**Geometric** shapes are two-dimensional. This means they are flat. There are many different kinds of shapes. There are circles, squares, rectangles, triangles, pentagons, and more. Geometric shapes with only straight edges are called polygons. Circles and other shapes with curves are not polygons.

It is fun to play with different geometric shapes. You can compare them to see if they are the same or different. Two shapes can be compared to see if they are **congruent**. They are congruent if they are the same size and the same shape.

Congruent shapes can be turned. They can be flipped. They can slide into a new position. As long as they are the same size and shape, they are congruent.

For example:



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. \_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

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

\_\_\_\_\_

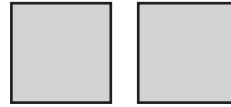
4) What makes two shapes congruent?

\_\_\_\_\_

5) Draw two congruent rectangles.

## Congruent Geometric Shapes

Cross-Curricular Focus: Mathematics

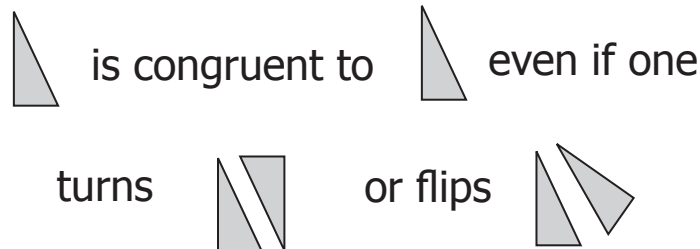


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Congruent shapes can be turned. They can be flipped. They can slide into a new position. As long as they are the same size and shape, they are congruent.

For example:



Name: **Key** \_\_\_\_\_

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.

**Actual answers will vary.**

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

**No, because congruent shapes must be the same size.**

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

**Yes, because they are the same size and shape. They are congruent even if they are turned or flipped.**

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

**No, because congruent shapes must be the same shape.**

4) What makes two shapes congruent?

**They must be the same size and shape.**

5) Draw two congruent rectangles.

**student's choice**