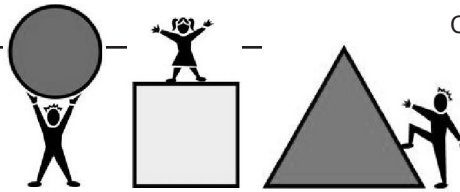
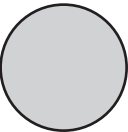



## Shapes on a Plane



Cross - Curricular Focus: Mathematics



A **plane** does not always fly through the air. It does not always carry people from one place to another. In math, a plane is a flat area. It is home to many different kinds of geometric shapes. Let's take a look at some of the most common geometric shapes.

 At first, the **circle** does not look like it belongs with the other shapes. They all have straight edges and sharp corners. A circle has curves. Did you know the angles you find inside the corners of the other shapes are measured with a circle? An angle's measurement tells how much of a circle it is. So, circle does belong.

A **triangle** has three sides. It also has three angles. It has three vertices (corners), too.  There are different kinds of triangles. They are named for the lengths of their sides and size of their angles.

 A **rectangle** has four sides and four right angles. Right angles make the corners perfectly square. If all the sides of a rectangle are the same length, it is a special kind of rectangle. You may know it by its more common name, a square. 

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) Geometric shapes live in a flat world. What is it called?

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2) How is a circle different from the other geometric shapes?

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3) What is the difference between a rectangle and a square?

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4) How many angles does a triangle have?

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5) What are vertices?

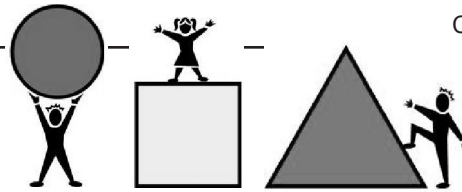
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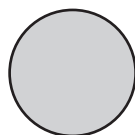
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Name: **Key**

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.

1) Geometric shapes live in a flat world. What is it called?

**a plane**

2) How is a circle different from the other geometric shapes?

**It has curves**

3) What is the difference between a rectangle and a square?

**All the sides of a square are the same length.**

4) How many angles does a triangle have?

**3**

5) What are vertices?

**corners**