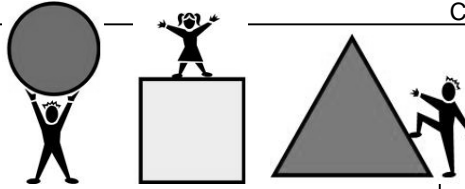
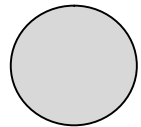


Shapes on a Plane


Cross-Curricular Focus: Mathematics



In math, a **plane** does not fly through the air carrying people from one place to another. A plane is a flat area that 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. But the angles you find inside the corners of the other shapes are all measured by how much of a circle they are. So, a circle does belong.

A **triangle** has three sides. It also has  three angles and three vertices (corners). There are different kinds of triangles, depending on the lengths of their sides and the 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 the rectangle are the same length, it is a special kind of rectangle.

You may know it by its other, much 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? _____

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

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

4) How many angles does a triangle have? _____

5) What are vertices? _____