Look at the shapes below. All of the shapes are divided into 2 equal parts. When all of the parts are the same size and shape, they are called *congruent parts*.
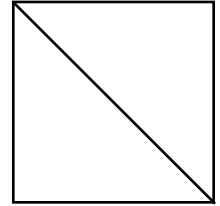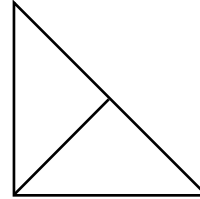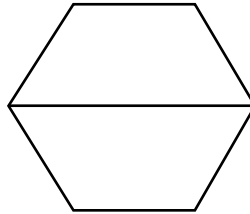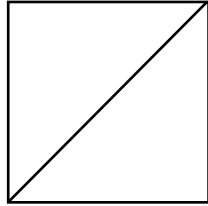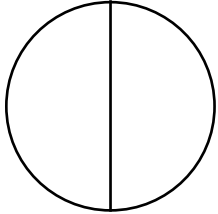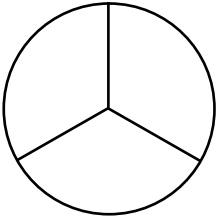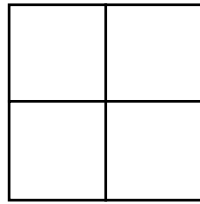
Directions: Look at all of the shapes below. All of the shapes have congruent parts. Count the number of congruent parts in each shape. Write the number on the line.
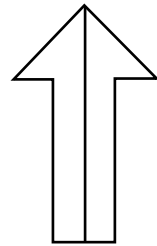
1.

There are _____ congruent parts.

2.

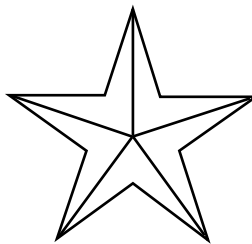There are _____ congruent parts.
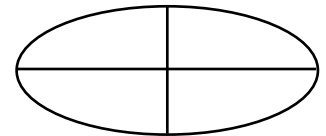
3.

There are _____ congruent parts.
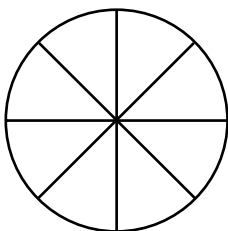
4.

There are _____ congruent parts.
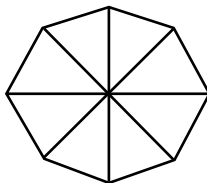
5.

There are _____ congruent parts.
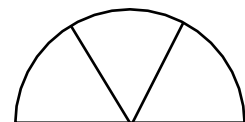
6.

There are _____ congruent parts.

7.

There are _____ congruent parts.
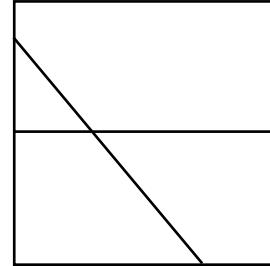
8.

There are _____ congruent parts.

9.

There are _____ congruent parts.

When a shape is divided equally, each piece of the shape is the same size and same shape. Look at the two squares below. One square has been divided into four congruent parts. Each part is the same size and shape. One square has been divided into four parts, but the parts are not congruent. The parts are not the same size or shape.
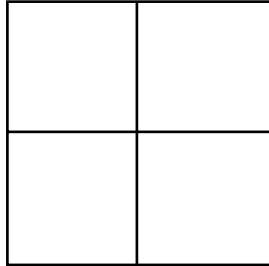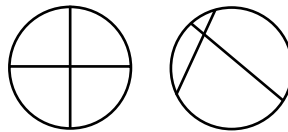
This square has congruent parts.   This square does not have congruent parts.

Directions: Look at each pair of shapes. Circle the one shape that has congruent parts.
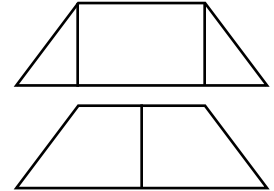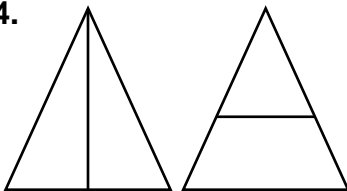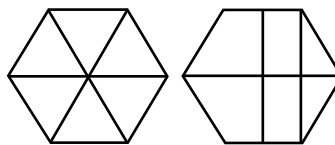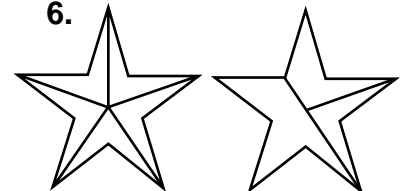
1.

2.

3.

4.

5.

6.

7. Draw 2 shapes. Divide one of the shapes into parts that are the same size and shape. Divide the other shape into parts that are not the same size and shape.

**8.** What does "congruent" mean?_____

_____

_____

When a shape is divided into congruent parts, each part is a fraction of the shape. Follow the steps below.

1. Divide the shape into congruent parts.

2. Shade one part of the shape.

3. Next, write the fraction. When writing the fraction, the top number is called the *numerator*. The numerator tells the number of each piece (or pieces) used or needed. The bottom number is called the *denominator*. The denominator tells how many equal pieces there are in all. The fraction for one part of this rectangle is $\frac{1}{3}$.

3 equal parts

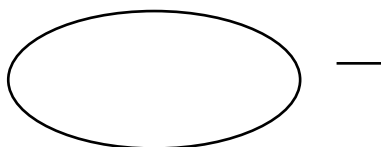$\frac{1}{3}$ **(numerator)**
(denominator)
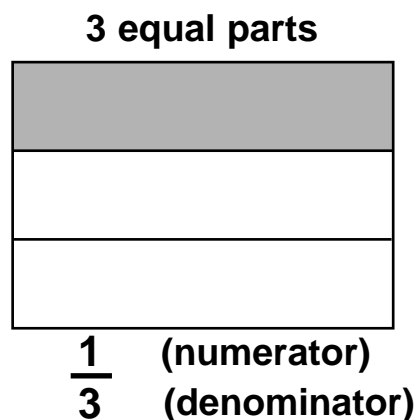
Directions: Divide each shape into congruent parts. Shade one part of the shape. Write the fraction for one part of the shape. The first one has already been done for you.
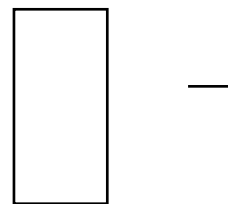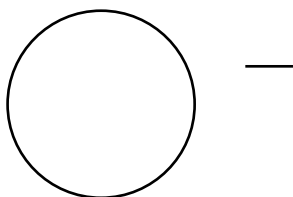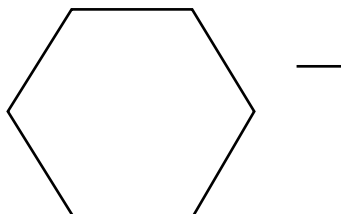
1. 2 parts

$\frac{1}{2}$
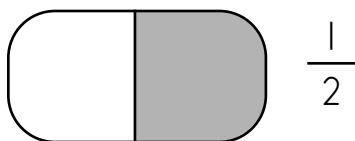
2. 4 parts

—

3. 3 parts

—

4. 4 parts

—

5. 6 parts

—

6. 5 parts

—
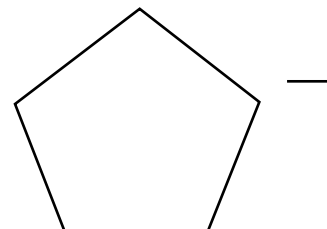
7. 8 parts

—

8. 4 parts

—

9. 3 parts

—