**Study the following.**

fraction (**frak**-shuhn) - a number that stands for part of something. A fraction is a way to describe a part of a whole, or a part of a group using equal parts. (I want a fraction of that large piece of cake.)

**Say the word out loud and write it in the blank.**

fraction_____

**Write the definition of fraction**. _____

_____

_____

**Write two sentences using the word fraction.**
1.

2.

**Study the following.**

A fraction can describe
1. a part of a whole
2. a part of a group
3. a part of a number
4. a part of a length
5. a point on a number line

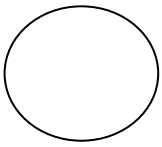
The following pages go over these five types of fractions.

**Write the five things a fraction can describe.**

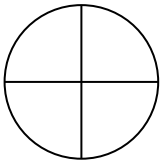
1.
2.
3.
4.
5.

**Study the following.**

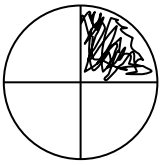
fraction of a whole – a way to describe a part of a whole by using equal parts.



Start with a whole circle.



Divide it into four equal parts.



Shade some of the equal parts.

This describes 1 part of the whole, which is divided into 4 equal parts.

The fraction is written like this: $\frac{1}{4}$ ← parts shaded
← equal parts

We can say $\frac{1}{4}$ of the whole circle is shaded. This is a part of a whole.

Another example:

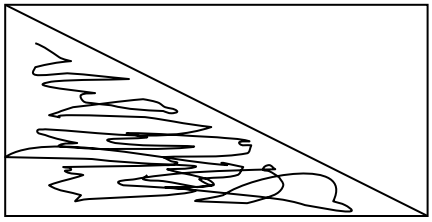
2 parts shaded

3 equal parts

Write the fraction as $\frac{2}{3}$

We can say $\frac{2}{3}$ of the whole rectangle is shaded.

**Fill in the blanks.**



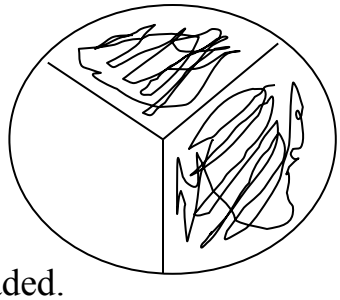
_____ parts shaded

_____ equal parts

The fraction is _____.

We can say _____ of the whole is shaded.

---



_____ parts shaded

_____ equal parts

The fraction is _____.

We can say _____ of the whole is shaded.

---

_____ parts shaded

_____ equal parts

The fraction is _____.

We can say _____ of the whole is shaded.

---

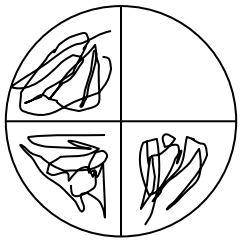
_____ parts shaded

_____ equal parts

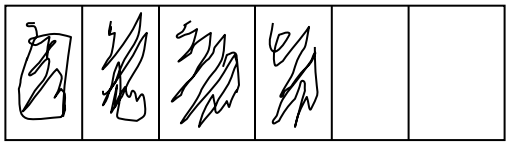
The fraction is _____.

We can say _____ of the whole is shaded.

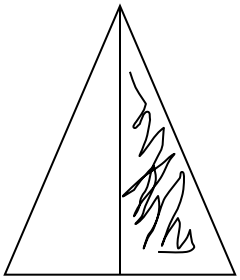
## What fraction of the shape is shaded?



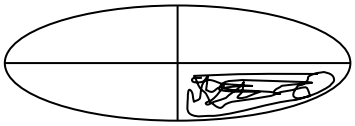
_____



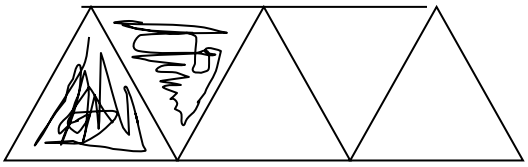
_____



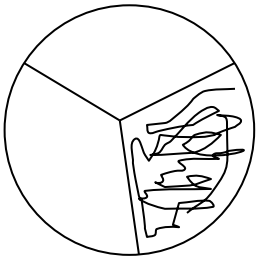
_____



_____



_____



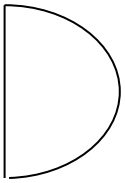
_____

**Draw and shade 8 examples of fractions of a whole, and write the fraction you shaded next to your picture.**

| | |
|---|---|
| | |
| | |
| | |

**Using your fractions cut-outs from Appendix B, show the following fractions. Then draw what you have shown.**

$\frac{1}{2}$



$\frac{3}{4}$

$\frac{1}{3}$

$\frac{2}{3}$

$\frac{5}{8}$

$\frac{2}{8}$

$\frac{1}{6}$

**Draw a picture and shade the fraction being described. Write the fraction.**

Example: Jim was served a pizza that had 8 equal slices. Jim ate 3 slices. What fraction of the pizza did Jim eat?

3 pieces eaten
8 total equal size pieces

The fraction is 3/8.

1. Sue had a candy bar. She divided it into four equal size pieces. She gave 3 pieces to her friends. What fraction of the candy bar did she give to her friends?

2. Mom baked a pie. She cut it into six equal slices. She said I could eat two slices. What fraction of the pie could I eat?

3. Sam had a board that he wanted to cut into 8 equal size pieces. He needed 5 of the pieces for a school project. What fraction of the board does he need?

4. The girls had a large pizza. It was divided into 8 slices. They gave the boys 3 of the slices. What fraction of the pizza did they give the boys?