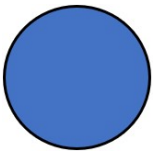
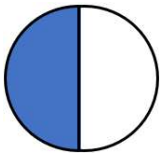
Fraction Representation

Below are some representations of common fractions.



1 Whole

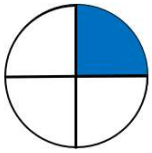


"fraction bar"

$\frac{1}{2}$ **part is shaded** / **total parts**

"out of"

This means that the **whole** was **"divided"** into 2 total parts and 1 part was shaded.



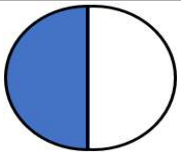
"fraction bar"

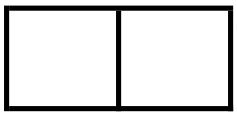
$\frac{1}{4}$ **part is shaded** / **total parts**

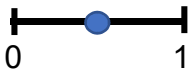
"out of"

This means that the whole was "divided into 4 total parts and 1 part was shaded.

3. Fractions are part of a Whole. Remember, ALL of the "parts" must be EQUAL in size.

Example 1 $\frac{1}{2}$  "circle"

Example 2 $\frac{1}{2}$  "bar"

Example 3 $\frac{1}{2}$ 

0 1 "number line"

*** ALL Proper Fractions are between "0" and "1" ***

In order to understand fractions better, you must know the parts of a fraction and what they mean.

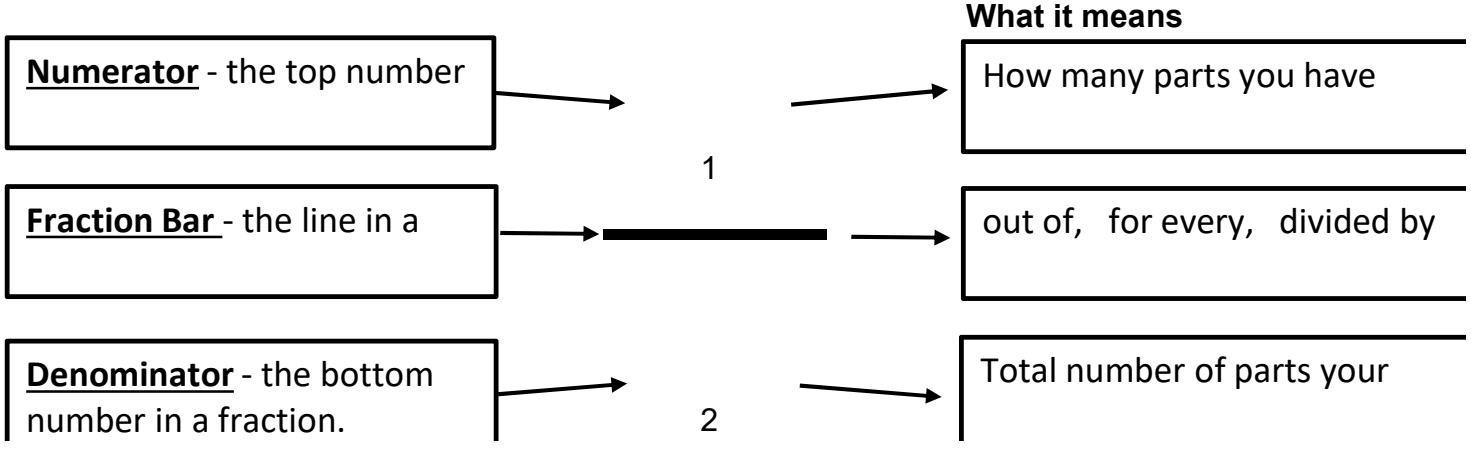
4. Fractions have 3 components or parts.

Parts/Components of a Fraction

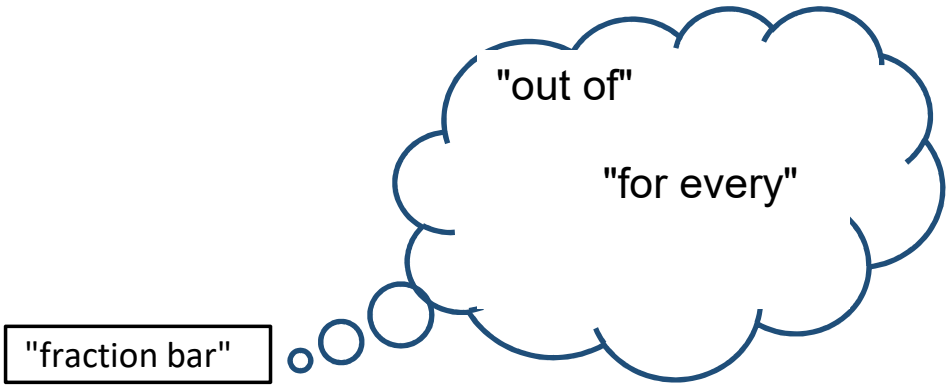
Components/Parts		What it means
Numerator - the top number	1	How many parts you have
Fraction Bar - the line in a	—	out of, for every, divided
Denominator - the bottom number in a fraction.	2	Total number of parts your

So, what is a fraction? A fraction is part of a whole. But to understand fractions, it is important to know the parts and what they mean.

Parts/Components of a Fraction



The "fraction bar" in a fraction means many things. Some words to describe the function of the "fraction bar" are:



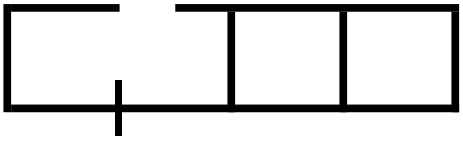
So, what is a fraction? A fraction is part of a whole. But to understand fractions, it is important to know the parts and what they mean.

Parts/Components of a Fraction

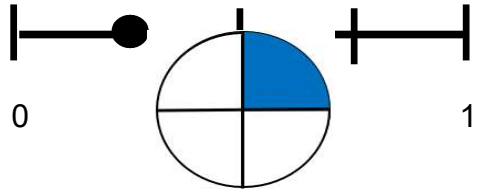
		What it means
Numerator - the top number	1	How many parts you have
Fraction Bar - the line in a		out of, for every, divided by
Denominator - the bottom number in a fraction.	2	Total number of parts your

Are there different ways to represent fractions ? Yes there is!

Example1 Fraction Bar $\frac{1}{4}$



Example2 Number Line $\frac{1}{4}$

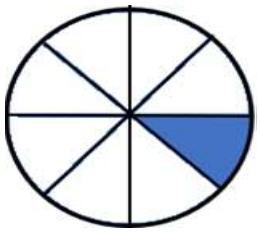


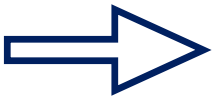
Example3 Circle/Pie $\frac{1}{4}$

Example4 Other Examples $\frac{1}{4}$

Review Section

How would you write this representation as a fraction?





how many shaded / total parts — "fraction bar"

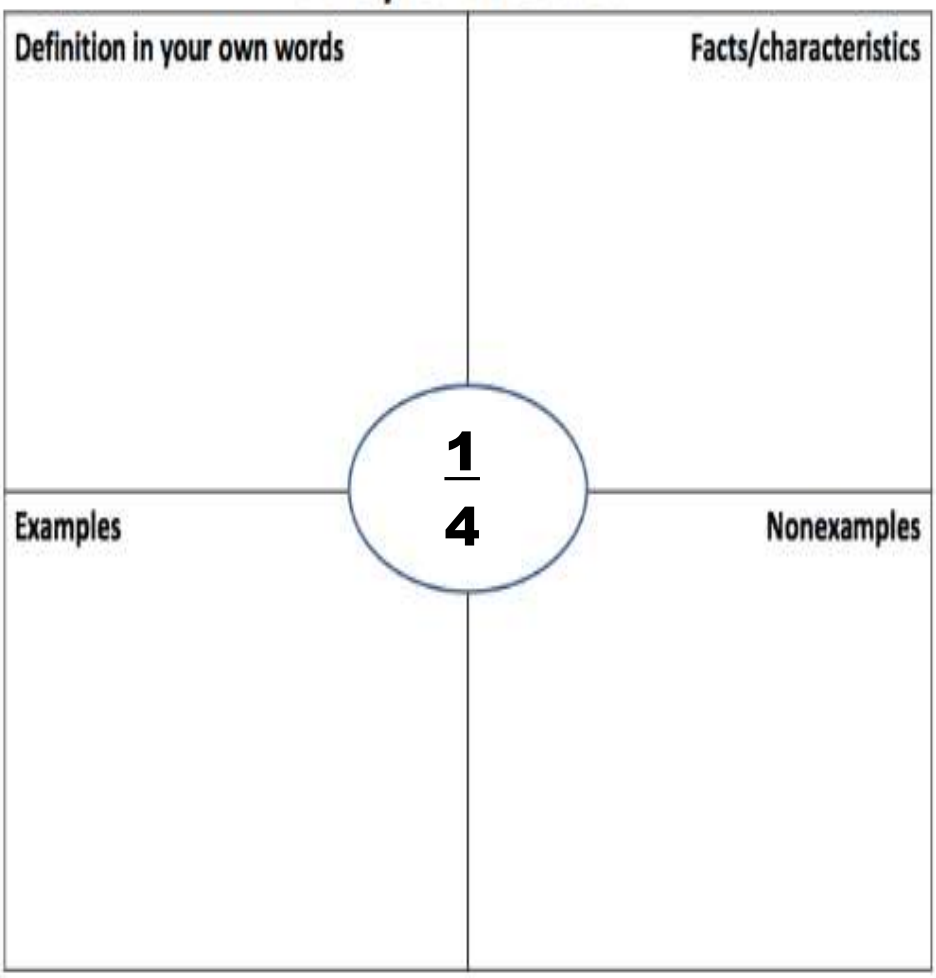
This fraction is: $\frac{\quad}{\quad}$

★ Fractions consist of the following components:

The top number is called the **Numerator** and tells you how many parts you have
The line in a fraction is called the **Fraction bar** and means division
The bottom number is called the **Denominator** and tells you how manu total parts there are

★ All of the total parts must be equal in size

1

not 1

Frayer Model