Fraction Vocabulary

Fraction: One of more parts of a whole or a set

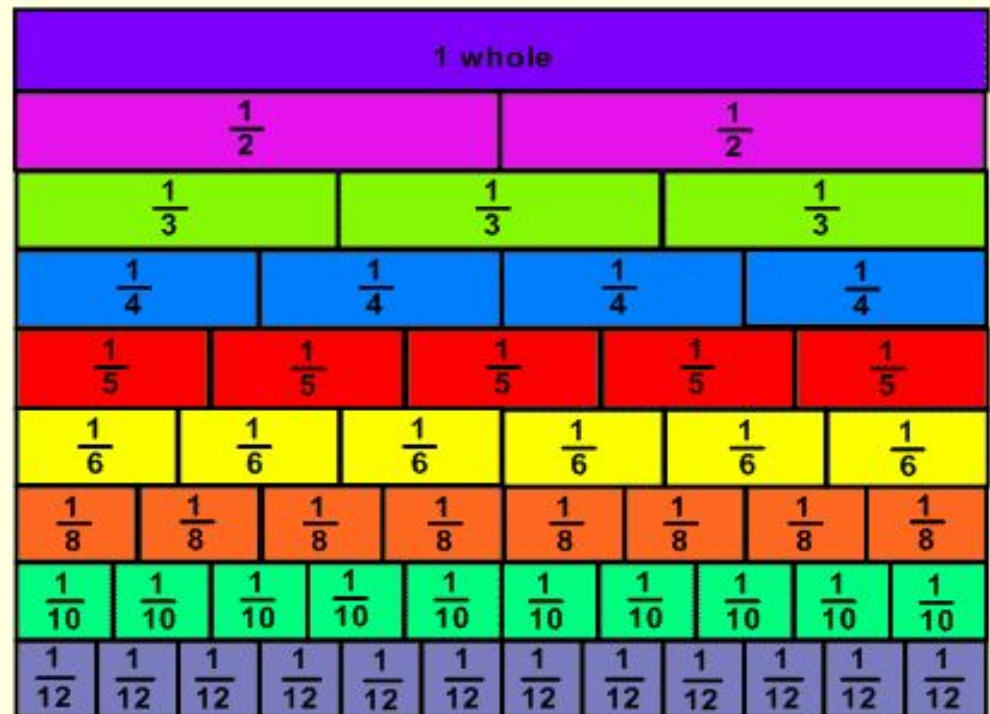Fraction has two part a denominator and a numerator

The **denominator** is the number written under the bar and tells the number of parts a whole is divided into

The **numerator** is the number written above the bar. The numerator tells the number of parts of the whole that are being counted
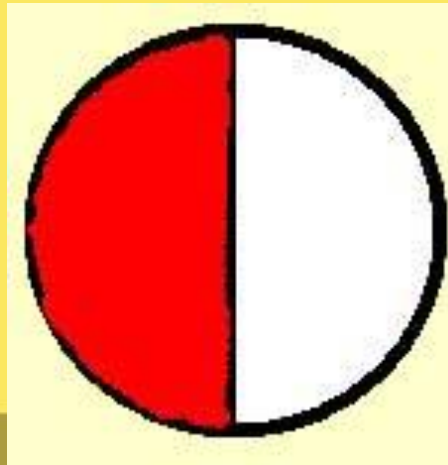
Numerator
Denominator

Number of parts counted
total parts of the whole or set

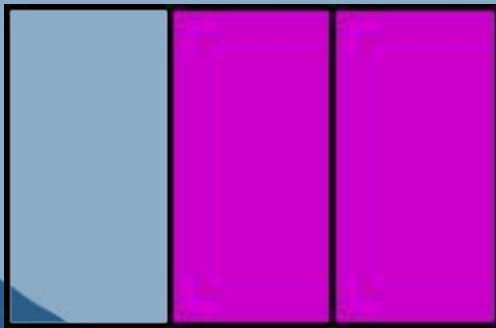| 1/1	2/2	3/3	4/4	5/5	6/6	7/7	8/8	9/9	10/10
1/2	2/4	3/6	4/8	5/10	6/12	7/14	8/16	9/18	10/20
1/3	2/6	3/9	4/12	5/15	6/18	7/21	8/24	9/27	10/30
1/4	2/8	3/12	4/16	5/20	6/24	7/28	8/32	9/36	10/40
1/5	2/10	3/15	4/20	5/25	6/30	7/35	8/40	9/45	10/50
1/6	2/12	3/18	4/24	5/30	6/36	7/42	8/48	9/54	10/60
1/7	2/14	3/21	4/28	5/35	6/42	7/49	8/56	9/63	10/70
1/8	2/16	3/24	4/32	5/40	6/48	7/56	8/64	9/72	10/80
1/9	2/18	3/27	4/36	5/45	6/54	7/63	8/72	9/81	10/90
1/10	2/20	3/30	4/40	5/50	6/60	7/70	8/80	9/90	10/100

Rational Number

- A number that can be expressed as a fraction or a ratio of two numbers where the denominator does not equal zero
- Example: ½
- Picture:

Equivalent Fraction
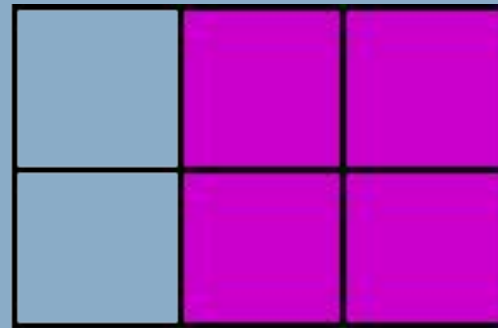
- **Fractions that name the same amount or part**
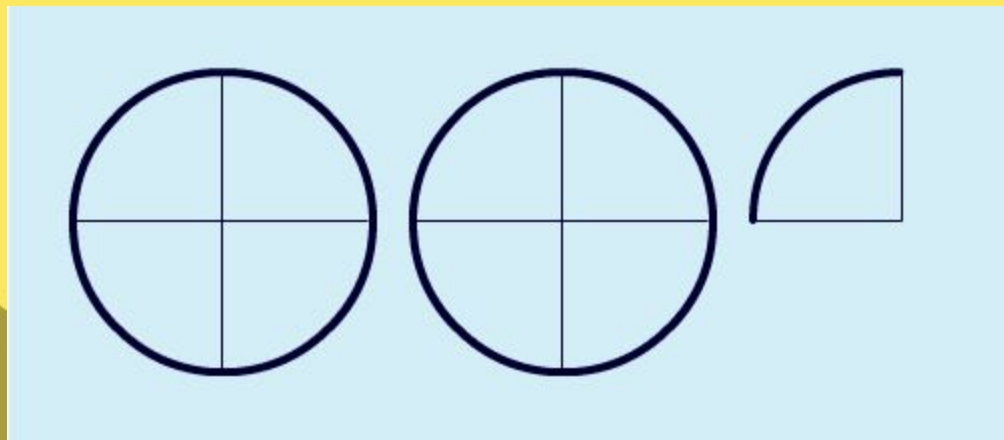- Example:2/3 = 4/6
- Pictures:
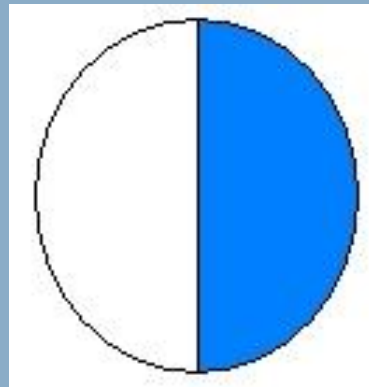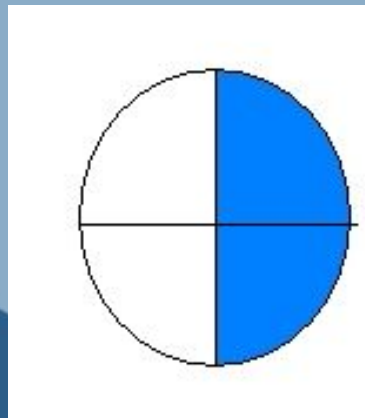
$\frac{2}{3}$ $\frac{4}{6}$

Improper Fraction

- A fraction in which the numerator is greater than or equal to the denominator

- Example:9/4

- Picture:

Simplify

- To write a fraction or expression in simplest form
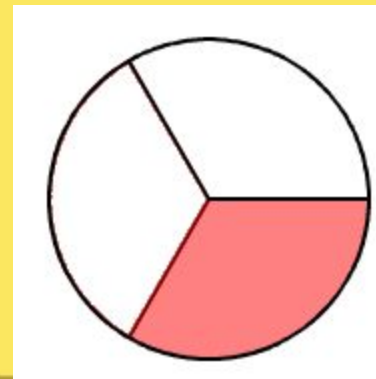- Example: 2/4= ½
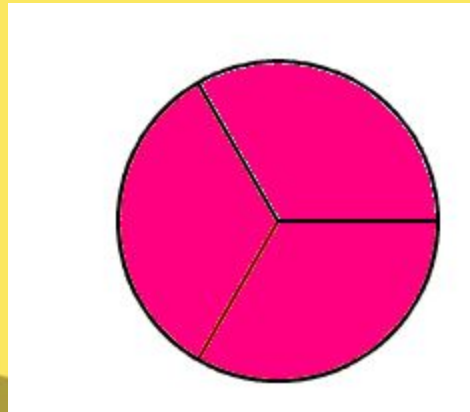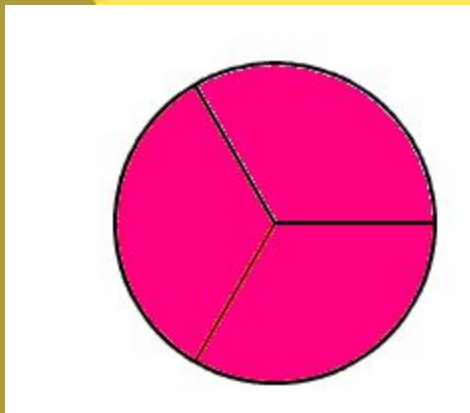- Picture:

Mixed Number

- When an expression consists of a whole number and a proper fraction

- Example: $2\frac{1}{3}$ mixed fraction

- Picture:

Fundamental Theorem of Fractions

$$\frac{A}{B} = \frac{A \times C}{B \times C}$$

Example:

$$\frac{1}{2} = \frac{1 \times 3}{2 \times 3} = \frac{3}{6}$$