ALGEBRA TERMS

variable-a letter that stands for one or more values

term-a number, a variable, or a product of a number and a variable or variables

variable term-a term that contains at least one variable

constant term-a term without a variable

expression-a math phrase made up of operation signs, numbers, and/or variables

coefficient-a number by which a variable in a term is multiplied

EXPRESSION

variable term — constant term

$$2x + 5$$

variable

coefficient

Fractions, Decimals, & Percents Chart

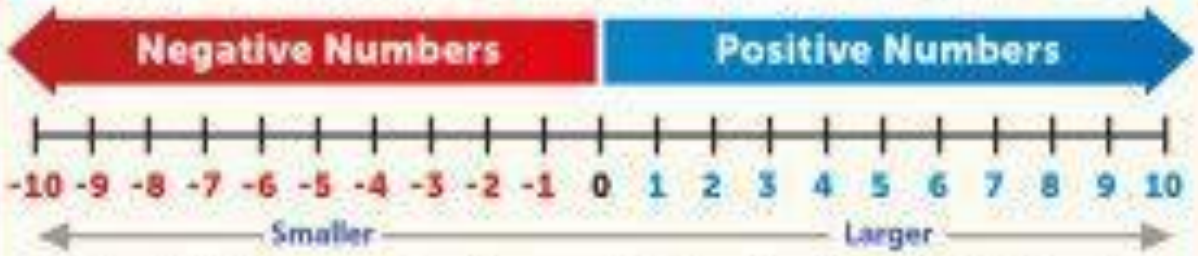
Fraction	Decimal	Percent
1/2	0.5	50%
1/3	0.33	33.33%
1/4	0.25	25%
1/5	0.2	20%
1/10	0.1	10%
1/20	0.05	5%
4/10	0.4	40%
6/10	0.6	60%
7/10	0.7	70%
3/4	0.75	75%
8/10	0.8	80%
9/10	0.9	90%
10/10	1.0	100%

Created by: Joanne Warner

Negative Numbers

A negative number is any number that is less than zero. Negative numbers are denoted by a minus sign, –.

The number line below shows the integers, or whole numbers, from -10 to 10.



Numbers to the **left** on a number line are smaller than those to their **right**. The value of negative numbers decreases from right to left. For example, –7 is less than –2.

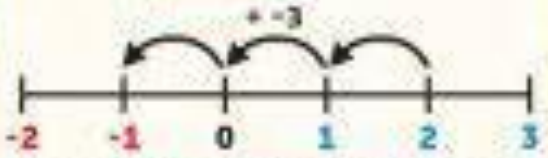
Real-life examples of negative numbers include:

Temperature | **Bank Balances**

The following rules apply when adding or subtracting negative numbers.

Adding a negative number is the same as subtracting. It produces a lower value.

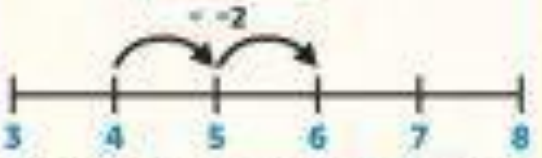
$$2 + -3 = -1$$



If you **add** a negative number, you move to the **left** on a number line.

Subtracting a negative number is the same as adding. It produces a higher value.

$$4 - -2 = 6$$



If you **subtract** a negative number, you move to the **right** on a number line.

The following rules apply when multiplying or dividing negative numbers.

$$2 \times -3 = -6$$

Multiplying a positive number by a negative number (and vice versa) produces a negative number.

$$21 \div -3 = -7$$

Dividing a positive number by a negative number (and vice versa) produces a negative number.

$$-2 \times -3 = 6$$

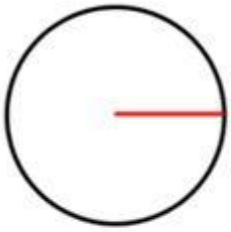
Multiplying two negative numbers produces a positive number.

$$-18 \div -3 = 6$$

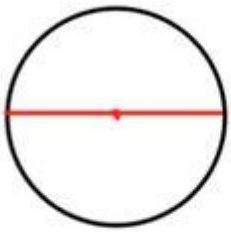
Dividing a negative number by a negative number produces a positive number.

50%	$\frac{2}{4}$	$\frac{50}{100}$	0.50
25%	$\frac{1}{4}$	$\frac{25}{100}$	0.25
75%	$\frac{3}{4}$	$\frac{75}{100}$	0.75
10%	$\frac{1}{10}$	$\frac{10}{100}$	0.10

Parts of a Circle

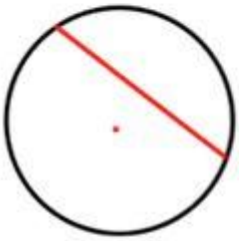


Radius

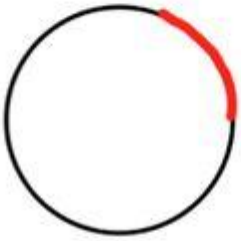


Diameter

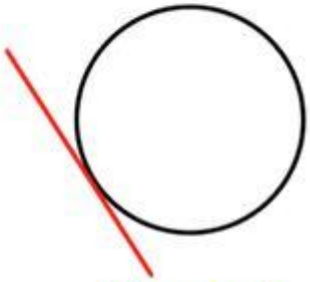
Circumference



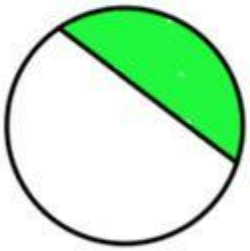
Chord



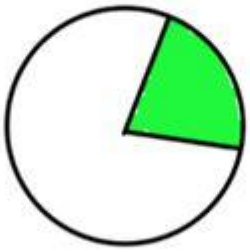
Arc



Tangent



Segment



Sector