

## Chapter 1

**digit** - symbols used to show numbers

**period** - a group of three numbers

**place value** - the position of the digit in the number

**Even number** - a number that can be divided by two. It ends in 0,2,4,6,8

**Odd number** - cannot be divided by two. example 1,3,5, 7,9, 11.....

**Standard form** - the way you write a number. Example 1,408

**Expanded form** - writing a number using values.

Example  $1,000 + 400 + 8$  or  $6.023 = 6 + .02 + .003$

**value** - how much a digit is worth

**Estimate** - used to get an approximate number.

**Overestimate** - go higher than the answer. Ex.

**Underestimate** - go lower than the answer. Ex.

**Sum** - the answer to an addition problem

**factor**- 2 numbers multiplied together to get a product

**product** - the answer to a multiplication problem

**round**- to estimate to the nearest place value

**Evaluate** - to find the value of an equation

**Solution** - the answer

**Pattern** - the order the numbers follow.

**Numerical Expression** – has numbers and operation but no equal sign

**Algebraic expression** – has numbers and letters but no equal sign

**Equation** - a number sentence with an equal sign Ex.

**Inverse operations** – opposite operations that undo each other. Ex.

**exponent** - how many times you need to multiply the base

**base** - the whole number used as a repeated factor. Ex.

**Decimal** – a number less than 1

**Order of operations** - the process of evaluating expressions. (PEMDAS)

### **Properties of Addition**

**Identity** - 0 added to a # equals that #. Ex

**Commutative** - you can add numbers in any order. Ex.

**Associative** - you can group numbers together to make adding easier. Ex

## Properties of Multiplication

1. **Identity** - 1 multiplied to a # equals that #. Ex
2. **Zero**- 0 multiplied to any number equals 0
3. **Commutative** - you can multiply numbers in any order. Ex.
4. **Associative** - you can group numbers together to multiply. Ex.
5. **Distributive** - You use both addition and multiplication with grouping. Ex.