

## **Vocabulary**

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

**Product-** the answer to a multiplication problem.

**Addend-** a number which is added to another.

**Factor-** a number which is multiplied by another.

**Distribute-** to share or hand out.

**Associate-** joined or connected to.

**Commute-** to move.

## **Properties of Addition**

**Commutative Property of Addition-** changing the order of the addends does not change the sum.

**Example:**

**Associative Property of Addition-** changing the grouping of the addends does not change the sum.

**Example:**

**Identity Property-** the sum of any number and zero is that number.

**Example:**

## **Properties Multiplication**

**Commutative Property-** changing the order of the factors does not change the product.

**Example:**

**Associative Property-** changing the grouping of the factors does not change the product.

**Example:**

**Identity Property-** the product of one and any number is that number.

**Example:**

**Zero Property-** the product of zero and any number is zero.

**Example:**

## **Property of Addition And Multiplication**

**Distributive Property-** the product of a factor and a sum is equal to the sum of the products.

**Example:**