

## Chart

# MATH PROPERTIES

### *Identity Property of Multiplication*

*The product of land any number is that number*

*Example:*  
 $5 \times 1 = 5$

### *Commutative Property of Multiplication*

*Changing the order of factors does not change the product*

*Example:*  
 $4 \times 3 = 3 \times 4$   
 $12 = 12$

### *Associative Property of Multiplication*

*Changing the grouping of factors does not change the product*

*Example:*  
 $(2 \times 3) \times 4 = 2 \times (3 \times 4)$   
 $6 \times 4 = 2 \times 12$   
 $24 = 24$

### *Distributive Property of Multiplication*

*When one of the factors is rewritten as the sum of two numbers, the product does not change*

*Example:*  
 $4 \times 6 = (2 \times 6) + (2 \times 6)$

### *Zero Property of Multiplication*

*The product of any number ana zero is zero*

*Example:*  
 $3 \times 0 = 0$