

# Integers: Positive & Negative Numbers

THE NUMBER LINE



-5  
-4  
-3  
-2  
-1  
0  
1  
2  
3  
4  
5

## Multiplication & Division

$$(+ ) \times (+ ) = (+ )$$

$$(- ) \times (- ) = (+ )$$

$$(+ ) \times (- ) = (- )$$

$$(- ) \times (+ ) = (- )$$

## Addition Rules

Same Signs: Add & Keep Sign

Diff. Signs: Subtract & Take Larger

Example:  $-7 + 3 = -4$

## Key Concepts

**Absolute Value**

$$|-5| = 5$$

### **Opposites**

$$-x + x = 0$$

### **Subtracting**

$$a - (-b) = a + b$$