

# Integers Reference Chart

Middle School Mathematics Guide

**Negative Values** ←  
→ **Positive Values**

## Addition Rules

- $(+) + (+) = \text{Positive}$
- $(-) + (-) = \text{Negative}$
- $(+) + (-) = \text{Use sign of the larger absolute value}$

## Subtraction Rules

- Keep, Change, Change:
- $a - b = a + (-b)$
- $6 - (-2) = 6 + 2 = 8$

## Multiplication & Division

- Same signs = **Positive (+)**
- Different signs = **Negative (-)**
- $(-) \times (-) = (+)$
- $(+) \div (-) = (-)$

## Key Vocabulary

- **Absolute Value:** Distance from zero  $|-5| = 5$
- **Opposites:** Numbers same distance from zero
- **Integer:** Whole numbers and their opposites