

Grade 7 Mathematics

Introduction to Integers

In this material, you will learn the basics of integers and how to work with them.

1. What are Integers?

Integers are whole numbers that can be positive, negative, or zero.

Examples: -3, -2, -1, 0, 1, 2, 3

2. Comparing Integers

Use number lines to compare integers. The number to the right is always greater.

3. Adding Integers

- Same signs: Add the absolute values, keep the sign.

Example: $(-4) + (-3) = -7$

- Different signs: Subtract the smaller absolute value from the larger and keep the sign of the larger.

Example: $5 + (-3) = 2$

4. Subtracting Integers

Subtracting an integer is the same as adding its opposite.

Example: $4 - (-2) = 4 + 2 = 6$

Practice using integer operations to solve simple problems.