

## Rules to Follow for Calculations

$$10^1 = 10$$

$$10^2 = 100$$

$$10^3 = 1000$$

$$10^4 = 10000$$

$$10^{-1} = 0.1$$

$$10^{-2} = 0.01$$

$$10^{-3} = 0.001$$

$$10^{-4} = 0.0001$$

### Rule number 1

+

$$+ (+ A) = + A$$

$$B + (+ A) = B + A$$

**Example:**

$$4 + (+ 3) = 4 + 3 = 7$$

### Rule number 2

+

$$- (- A) = + A$$

$$B - (- A) = B + A$$

**Example:**

$$4 - (- 4) = 4 + 4 = 8$$

### Rule number 3

+

$$+ (- A) = - A$$

$$B + (- A) = B - A$$

**Example:**

$$4 + (- 3) = 4 - 3 = 1$$

### Rule number 4

+

$$- (+ A) = - A$$

$$B - (+ A) = B - A$$

**Example:**

$$4 - (+ 3) = 4 - 3 = 1$$

### Rule number 5

**Example**

$$10^A \times 10^B = 10^{A+B}$$

$$10^3 \times 10^4 = 10^{3+4} = 10^7$$

### Rule number 6

**Example**

$$10^A / 10^B = 10^{A-B}$$

$$10^8 / 10^2 = 10^{8-2} = 10^6$$

### Rule number 7

**Example**

$$1 / 10^A = 10^{-A}$$

$$1 / 10^3 = 10^{-3}$$