

## CHAPTER 08

## Comparing Quantities

**Ratio:**

A ratio is a relation between two quantities of the same kind. Ratio between the two numbers say 'a' and 'b' may be written as,

i) Fraction,  $\frac{a}{b}$

ii) Division,  $a \div b$  (or)

iii) With the ratio sign (:),  $a : b$  (Read as 'a' to 'b' (or) 'a' is to 'b')

It means,  $\frac{a}{b} = a \div b = a : b$

In the ratio  $a : b$ ,

i) 'a' and 'b' are called terms of the ratio.

ii) 'a' is called the first term (or) antecedent.

iii) 'b' is called the second term (or) consequent.

**Example:**

$$\frac{4}{5} = 4 \div 5 = 4 : 5$$

Here,

- i) '4' and '5' are called terms of the ratio.
- ii) '4' is called the first term (or) antecedent.
- iii) '5' is called the second term (or) consequent.

