RATIO

Definition

Ratio is a comparison of the sizes (or measures) of two or more quantities of the same kind by division.

Ratio of a to b

If a and b are two quantities of the same kind (in same units), then the fraction $\frac{a}{b}$ is called the **ratio of** a to b.

It is written as **$a : b$** (read as '*a is to b*').

Thus, the ratio of a to $b = \frac{a}{b}$ or $a : b$.

Terms of a Ratio

The quantities a and b are called the **terms** of the ratio;
a is called the **first term** (or **antecedent**) and
b is called the **second term** (or **consequent**).

Examples

1. The ratio of ₹8 to ₹13 $= \frac{8}{13}$ or $8 : 13$.
2. The ratio of 19 kg to 25 kg $= \frac{19}{25}$ or $19 : 25$.
3. The ratio of 5 hours to 11 hours $= \frac{5}{11}$ or $5 : 11$.

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