

Chapter Ten

RATIO & PROPORTION

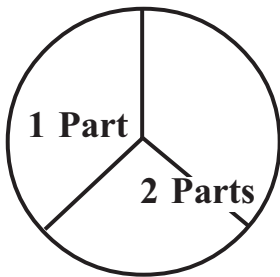
1. What is a Ratio?

A Ratio is a way of Comparing quantities.

The quantities are separated by a colon as shown. :

Example:

1 compared to 2 would be written: **1 : 2**



It can be represented Fractionally.

1 Part to 2 Parts. or $\frac{1}{3}$ Compared to $\frac{2}{3}$

This is called a **Unitary Ratio**.

Exercise 10: 1a Write the Ratio if:

1) Philip owns 4 CD's and Ann owns 5.

..... :

2) In class, 4 out of 11 pupils are boys, the others are girls.

..... :

3) 11 children keep mice, 5 gerbils and 3 rabbits.

..... : :

4) 3 out of 7 girls like netball, the others don't.

..... :

2. Ratios and Fractions

A Ratio can be written as a Fraction.

Example: Write **1 : 2** as a Fraction.

$$1 : 2 = \frac{1}{2} \quad \text{OR} \quad \begin{array}{c} \text{1 part} \\ \hline \square \end{array} : \begin{array}{c} \text{2 parts} \\ \hline \square \quad \square \end{array}$$