

നംന്ന്) ചാപങ്ഷമപ്പ പുപ്പും പുപുപുപ്പും പ്രംഗ്രംന്ന് ment Of Education (S) Government of Manipur

Chapter : 8

Comparing Quantities

NOTES:

Comparing Quantities

- 1. Ratio a : b = $\frac{a}{b}$ $e.g - 3: 7 = \frac{a}{b}$ $8:1=\frac{8}{1}$ And $3:9 = \frac{3}{9} = \frac{3}{9} = \frac{3}{3}$ $1:3=\frac{1}{2}$
- 2. Equivalent Ratio: $\frac{5}{10}$ and $\frac{4}{8}$ are equivalent rational no. $\frac{5}{10}$ and $\frac{4}{8}$ is $\frac{1}{2}$ [$\frac{1}{2} = \frac{1}{2}$] i.e 5 : 10 and 4 : 8 are equivalent ratios.

PERCENTAGE

Percentage are numerators of fraction with denominator 100

Percent is derived from Latin words 'per centum' meaning 'per hundred'.

Percent is represented by the symbol % and means hundredths too, That is 1 % means 1 out of hundred or one hundredth. DF EDUCATION (S)

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It can be written as 1 % = $\frac{1}{100}$ =0.01

Increase or Decrease as per cent

Percentage increase or decrease = $\frac{amount \ change}{original \ amount}$

Cost price - The buying price of any item is known as its cost price. It is written in short as CP.

Selling Price – The price at which we sell is known as the selling price or in short SP.

Profit = SP - CP

Loss = CP - SP

- Profit percent $= \frac{Profit}{CP} \times 100$
- Loss percent = $\frac{Loss}{CP} \times 100$
- Amount = Principal + Interest
- Simple Interest = $\frac{PRT}{100}$ Here, P= Principal or Sum borrowed R = Interest Rate T = Time



* Profit = Profit % \times CP