

CHAPTER 08**Comparing Quantities****Loss:**

When the selling price is lesser than the cost price, there is 'Loss'.

$$\therefore \text{Loss} = \text{C.P} - \text{S.P} \quad (\because \text{If } \text{S.P} < \text{C.P})$$

Loss percentage:

The loss is calculated on the cost price only. Loss percentage is given by

$$\text{Loss \%} = \frac{\text{Loss}}{\text{C.P}} \times 100\% = \frac{\text{C.P} - \text{S.P}}{\text{C.P}} \times 100\%$$

Note:

When loss percentage is given, then C.P (or) S.P is given by

$$\text{C.P} = \frac{100}{100 - \text{Loss}\%} \times \text{S.P}$$

$$\text{S.P} = \frac{100 - \text{Loss}\%}{100} \times \text{C.P}$$

