

CHAPTER 08**Comparing Quantities****Solved Examples:****Example:**

Vinay bought a flat for Rs. 4, 50, 000. He spent Rs. 10, 000 on its paintings and repair. Then he sold it for Rs. 4, 25, 500. Find his gain or loss and its percent.

Sol.

$$\begin{aligned} \text{Total cost price} &= \text{Purchasing price} + \text{Repair charges} \\ &= \text{Rs. } (4, 50, 000 + 10, 000) \\ &= \text{Rs. } 4, 60, 000 \end{aligned}$$

Selling price is Rs. 4, 25, 500. Here, we can observe

$$\text{Selling price} < \text{Cost price}$$

So, there is a loss.

$$\text{Loss} = \text{Cost Price} - \text{Selling Price}$$

$$= \text{Rs. } 4, 60, 000 - \text{Rs. } 4, 25, 500$$

$$\text{Loss} = \text{Rs. } 34, 500$$

For cost price Rs. 4, 60, 000 loss is Rs. 34, 500 if its cost price is Rs. 100. What will the loss percentage be?

$$\text{Loss percent} = \frac{\text{Loss}}{\text{C. P}} \times 100$$

$$\text{Loss percent} = \frac{34,500}{4,60,000} \times 100$$

$$\text{Loss} = 7.5\%$$

