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(Affiliated to CBSE up to +2 Level)

CLASS: VIII

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Question 1: Find the gain or loss per cent when:

(i) CP = Rs 620 and SP = Rs 713

(ii) CP = Rs 675 and SP = Rs 630

(iii) CP = Rs 345 and SP = Rs 372.60

(iv) CP = Rs 80 and SP = Rs 76.80

Solution: (i) CP=Rs. 620 SP=Rs. 713

Since $SP > CP$,

there is a gain.

$$\text{Gain} = 713 - 620 = \text{Rs. } 93$$

$$\text{Gain percentage} = (\text{gain} \times 100 / \text{CP})\%$$

$$= (93 \times 100 / 620)\% = 15\% \text{ Answer}$$

Question 2: Find the selling price when:

(i) CP = Rs 1650 and gain% = 4%

(ii) CP = Rs 915 and gain% = $6\frac{2}{3}\%$

(iii) CP = Rs 875 and loss% = 12%

(iv) CP = Rs 645 and loss% = $13\frac{1}{3}\%$

Solution (i) CP=Rs. 1650, Gain =4%

$$SP = (100 + \text{gain } \%) \times CP / 100$$

$$= (100 + 4) \times 1650 / 100$$

$$= 104 \times 1650 / 100 = \text{Rs. } 1716 \text{ Answer}$$

Question 3: Find the cost price when:

(i) SP = Rs 1596 and gain% = 12%

(ii) SP = Rs 2431 and loss% = $6\frac{1}{2}\%$

(iii) SP = Rs 657.60 and loss% = 4%

(iv) SP = Rs 34.40 and gain% = $7\frac{1}{2}\%$

Solution (i) SP=Rs. 1596, Gain =12%

$$CP = (100 + \text{gain } \%) \times SP / 100$$

$$= (100 + 12) \times 1596 / 100 = \text{Rs. } 1425 \text{ Answer}$$