



Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.1 Q13

Answer :

Selling price of the book = Rs. 258

Gain % = 20%

$$\text{Since, C.P} = \left[\frac{100}{(100 + \text{Gain \%})} \times S.P \right]$$

$$= \left[\frac{100}{(100 + 20)} \times 258 \right]$$

$$= \frac{25800}{120}$$

$$= \text{Rs. } 215$$

Let the bookseller sells it for Rs. x

$$\text{So, } S.P = \left[\frac{(100 + \text{Gain \%})}{100} \times C.P \right]$$

$$x = \frac{100 + 30}{100} \times 215$$

$$= \frac{130 \times 215}{100}$$

$$= \text{Rs. } 279.50$$

Therefore, the bookseller must sell the book at Rs 279.50 to make 30% profit.

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.1 Q14

Answer :

C.P of the briefcase = Rs. 800

Loss = 8%

$$S.P = CP \left(\frac{100 - \text{loss \%}}{100} \right)$$

$$= 800 \left(\frac{100 - 8}{100} \right)$$

$$= 800 \times 0.92 = \text{Rs. } 736$$

If the price is further reduced by 5%, the selling price of the briefcase will be

$$= \text{Rs. } \left(736 - 736 \times \frac{5}{100} \right)$$

$$= 736 \left(\frac{100 - 5}{100} \right)$$

$$= 736 \times 0.95$$

$$= \text{Rs. } 699.20$$

Thus, the selling price of the briefcase will be Rs 699.20.

***** END *****