Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.1 Q7

Answer :

A dealer buys a wrist watch *for* Rs. 225

Money spent *on* repair*ing the watch* = Rs. 15

Therefore, C. P = Rs. $\left(225+15\right)$ = Rs. 240

S. P = Rs. 300

Profit = SP − CP

= Rs. $\left(300-240\right)$

= Rs. 60

$\text{Profit }\% = \frac{\text{Profit}}{\text{C.P}} \times 100$

$= \frac{60}{240} \times 100$

$= 25\%$

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.1 Q8

Answer :

Let the cost price of the first box be Rs. x.

Therefore, the cost of the second box will be Rs. $\left(1300-x\right)$

Profit on the first box = 20 %

Loss on the second box = 12%

SP of the first box = CP$\left(\frac{\text{gain }\%+100}{100}\right)$

SP = x$\left(\frac{120}{100}\right)$

SP of the first box = Rs. $\frac{120x}{100}$ = Rs. $\frac{6x}{5}$

SP of the second box = CP$\left(\frac{100-\text{loss }\%}{100}\right)$

S. P of the second box = $\frac{88\left(1300-x\right)}{100}$ = Rs. $\left(\frac{28600-22x}{25}\right)$

Since *S.* P *of both the box* are equal,

$\frac{6x}{5} = \left(\frac{28600-22x}{25}\right)$

$150x = 143000 - 110x$

$260x = 143000$

$x = \frac{143000}{260}$

$x = 550$

Therefore, *the* cost price of the first box *is* Rs. 550.

The cost price of the second box *will be* Rs. $\left(1300-550\right)$ = Rs. 750

********** END **********