



Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.1 Q17

Answer :

He sells 950 gm pulses and gets a gain of 50 gm.

$$\begin{aligned}\text{If he sells 100gm of pulses, he will gain} &= \frac{50}{950} \times 100 \\ &= \frac{5000}{950} \\ &= 5 \frac{5}{19} \%\end{aligned}$$

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.1 Q18

Answer :

Given that the selling price is same for both the tables.

Let the C.P of 1 table be Rs. x , then the C.P of the other will be Rs. $(3120 - x)$.

Loss on the first table = 15%

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

$$S.P = \frac{85x}{100} = \text{Rs. } 0.85x$$

Gain on the second table = 36%

$$\text{Therefore, } S.P = C.P \left(\frac{100 + \text{gain \%}}{100} \right)$$

$$S.P = \text{Rs. } 1.36(3120 - x)$$

Since both tables have the same S.P,

$$\text{So, } 0.85x = 1.36(3120 - x)$$

$$0.85x = 4243.20 - 1.36x$$

$$2.21x = 4243.20$$

$$x = \frac{4243.20}{2.21}$$

$$x = \text{Rs. } 1920$$

So, the cost price of the first table is Rs. 1920.

$$\text{Cost price of the second table} = \text{Rs. } (3120 - 1920) = \text{Rs. } 1200$$

***** END *****