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

Answer :

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

If he sells 100 gm of pulses, he will gain $= \frac{50}{950} \times 100$

$= \frac{5000}{950}$

$= 5\frac{5}{19}\%$

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

Answer :

*G*iven 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. $(3120 - x)$.

Los *s on* the first table $= 15\%$

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

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

Gain *on* the second table $= 36\%$

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

$S.P =$ Rs. $1.36(3120 - x)$

Since both *tables have the same* $S.P$,

So, $0.85x = 1.36(3120 - x)$

$0.85x = 4243.20 - 1.36x$

$2.21x = 4243.20$

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

$x =$ Rs. 1920

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

Cost price of *the* second table $=$ Rs. $\left(3120 - 1920\right) =$ Rs. 1200

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