

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.2 Q20

Answer:

Given,

Gain on one cycle = Rs. 360

Gain = 20%

 $\operatorname{Gain}\% = \frac{\operatorname{Gain}}{\operatorname{CP}} \times 100$

 $20 = \frac{360}{CP} \times 100$

CP = Rs. 1800

 $\mathrm{SP} = \tfrac{100 + \mathrm{Gain}\,\%}{100} \times \mathrm{CP}$

 $SP = \frac{120}{100} \times 1800 = Rs. \ 2160$

SP = Rs. 2160

Discount = 20%

 $MP = \frac{100 \times SP}{100 - Discount \%}$

 $MP = \frac{100 \times 2160}{80} = Rs. 2700$

Hence, the MP of one cycle is Rs. 2700.

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.2 Q21 **Answer:**

Given.

CP of the suit = Rs. 1470

Gain = 10%

So, SP = Rs. $\left(\frac{100+Gain}{100} \times CP\right)$

= Rs.
$$\left(\frac{100+10}{100} \times 1470\right)$$

= Rs. 1617

Now,

SP = Rs. 1617

Discount = 12.5%

So, MP = Rs.
$$\left(\frac{100 \times SP}{100 - Discount \%}\right)$$

$$= \text{Rs.} \left(\frac{100 \times 1617}{100 - 12.5} \right) = \text{Rs.} 1848$$

Therefore, the marked price of the suit is Rs. 1848.

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