

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.2 Q7 **Answer:** 

Given,

SP of the article = Rs. 555

Discount = 7.5%

Let the MP of the article be Rs. x.

Therefore, Discount =  $\frac{\text{Discount} \times \text{MP}}{100}$  = Rs.  $\frac{7.5x}{100}$  = Rs. 0.075x

Since SP = MP - D is count,

555 = x - 0.075x

555 = 0.925x

 $x = \frac{555}{0.925}$ 

= Rs. 600

Thus, the MP of the article is Rs. 600.

Profit, Loss, Discount, Value Added Tax (VAT) Ex 13.2 Q8

## Answer:

Let the CP of the article be Rs. x.

MP of the article = Rs. 250

Discount = 10%

Discount = 10% of 250

 $= 0.10 \times 250$ 

= Rs. 25

SP = MP - Discount

=250-25

= Rs. 225

Given,

Profit = 25%

$$ext{CP} = \left[ \frac{100}{\left(100 + Gain \%\right)} \times SP \right]$$

$$x = \left[\frac{100}{(100+25)} \times 225\right]$$

$$= \left[ \frac{100}{125} \times 225 \right]$$

= Rs. 180

Thus, the CP of the article is Rs. 180.

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