



Simple Interest Ex 12.1 Q1

Answer :

(i) $CP = \text{Rs. } 1200$, $SP = \text{Rs. } 1350$

$CP < SP$. So, profit.

$$\text{Profit} = \text{Rs. } (1350 - 1200) = \text{Rs. } 150$$

(ii) $CP = \text{Rs. } 980$, $SP = \text{Rs. } 940$

$CP > SP$. So, loss.

$$\text{Loss} = \text{Rs. } (980 - 940) = \text{Rs. } 40$$

(iii) $CP = \text{Rs. } 720$, $SP = ?$, profit = Rs. 55.50

$$\text{Profit} = SP - CP$$

$$\Rightarrow \text{Rs. } 55.50 = SP - \text{Rs. } 720$$

$$\Rightarrow SP = \text{Rs. } (55.50 + 720) = \text{Rs. } 775.50$$

(iv) $CP = ?$, $SP = \text{Rs. } 1254$, loss = Rs. 32

$$\Rightarrow \text{Loss} = CP - SP$$

$$\Rightarrow \text{Rs. } 32 = CP - \text{Rs. } 1254$$

$$\Rightarrow CP = \text{Rs. } (1254 + 32) = \text{Rs. } 1286$$

Simple Interest Ex 12.1 Q2

Answer :

(i) CP = Rs. 1265, SP = Rs. 1253

$$\text{Loss} = \text{CP} - \text{SP} = \text{Rs. } (1265 - 1253) = \text{Rs. } 12$$

(ii) CP = ?, SP = Rs. 450, profit = Rs. 150

$$\text{Profit} = \text{SP} - \text{CP}$$

$$\Rightarrow \text{Rs. } 150 = \text{Rs. } 450 - \text{CP}$$

$$\Rightarrow \text{CP} = \text{Rs. } (450 - 150) = \text{Rs. } 300$$

(iii) CP = Rs. 3355, SP = Rs. 7355,

Here SP > CP, so profit.

$$\text{Profit} = \text{SP} - \text{CP}$$

$$\Rightarrow \text{Profit} = \text{Rs. } (7355 - 3355) = \text{Rs. } 4000$$

(iv) CP = ?, SP = Rs. 2390, loss = Rs. 5.50

$$\text{Loss} = \text{CP} - \text{SP}$$

$$\Rightarrow \text{Rs. } 5.50 = \text{CP} - \text{Rs. } 2390$$

$$\Rightarrow \text{CP} = \text{Rs. } (5.50 + 2390) = \text{Rs. } 2395.50$$

***** END *****