Simple Interest Ex 12.1 Q1

Answer :

(i) CP = Rs.. 1200, SP = Rs.. 1350
   CP < SP. So, profit.
   Profit = Rs. (1350 - 1200) = Rs. 150

(ii) CP = Rs. 980, SP = Rs. 940
   CP > SP. So, loss.
   Loss = Rs. (980 - 940) = Rs. 40

(iii) CP = Rs. 720, SP = ?, profit = Rs. 55.50
   Profit = SP - CP
   ⇒ Rs. 55.50 = SP - Rs. 720
   ⇒ SP = Rs. (55.50 + 720) = Rs. 775.50

(iv) CP = ?, SP = Rs. 1254, loss = Rs. 32
   ⇒ Loss = CP - SP
   ⇒ Rs. 32 = CP - Rs. 1254
   ⇒ CP = Rs. (1254 + 32) = Rs. 1286

Simple Interest Ex 12.1 Q2

Answer :

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

Loss = CP - SP = Rs. (1265 - 1253) = Rs. 12

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

Profit = SP - CP

$\Rightarrow$ Rs. 150 = Rs. 450 - CP

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

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

Here SP > CP, so profit.

Profit = SP - CP

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

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

Loss = CP - SP

$\Rightarrow$ Rs. 5.50 = CP - Rs. 2390

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

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