Simple Interest Ex 13.1 Q10

Answer :

Principal amount lent out by Rohit (P) = Rs. 60000
Time period (T) = 2 years
Rate of interest (R) = 10% p.a.

$$\text{Interest} = \frac{P \times R \times T}{100} = \text{Rs. } \frac{60000 \times 10 \times 2}{100} = \text{Rs. } 12000$$

Principal amount borrowed by Rohit from the bank (P) = Rs. 60000
Time period (T) = 2 years
Rate of interest (R) = 9% p.a.

$$\text{Interest} = \frac{P \times R \times T}{100} = \text{Rs. } \frac{60000 \times 9 \times 2}{100} = \text{Rs. } 10800$$

Amount gained by Rohit = Rs. 12000 - 10800 = Rs. 1200

Simple Interest Ex 13.1 Q11

Answer :

Principal amount borrowed by Romesh (P) = Rs. 2000
Time period (T) = 2 years
Rate of interest (R) = 2% p.a.

$$\text{Interest} = \frac{P \times R \times T}{100} = \text{Rs. } \frac{2000 \times 2 \times 2}{100} = \text{Rs. } 80$$

Principal amount borrowed by Romesh (P) = Rs. 1000
Time period (T) = 2 years
Rate of interest (R) = 5% p.a.

$$\text{Interest} = \frac{P \times R \times T}{100} = \text{Rs. } \frac{1000 \times 5 \times 2}{100} = \text{Rs. } 100$$

Total amount that he will have to return = Rs. 2000 + 1000 + 80 + 100 = Rs. 3180

Amount repaid = Rs. 2800
Value of the watch = Rs. 3180 - 2800 = Rs. 380

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