Simple Interest Ex 13.1 Q6

Answer :

Principal amount (P) = Rs 8000

Time period (T) = $4\frac{1}{2} = \frac{9}{2}$ **years**

Rate of interest (R) = 8% p.a.

Interest = $\frac{P \times R \times T}{100} = \frac{8000 \times 8 \times 9}{100 \times 2}$ = Rs 2880

Total amount paid after $4\frac{1}{2}$ years = Principal amount + Interest = Rs 8000 + Rs 2880

= Rs 10880

Simple Interest Ex 13.1 Q7

Answer :

Principal amount lent out by Rakesh (P) = Rs 8000

Time period (T) = 5 years

Rate of interest (R) = 15% p.a.

Interest = $\frac{P \times R \times T}{100} = \frac{8000 \times 15 \times 5}{100}$ = Rs 6000

Principal amount borrowed by Rakesh (P) = Rs 6000

Time period (T) = 3 years

Rate of interest (R) = 12% p.a.

Interest = $\frac{P \times R \times T}{100} = \frac{6000 \times 12 \times 3}{100}$ = Rs 2160

Amount gained by Rakesh = Rs 6000 − Rs 2160 = Rs 3840

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