



Simple Interest Ex 13.1 Q8

Answer :

Principal amount (P) = Rs 1000

Time period (T) = 1 year

Rate of interest (R) = 5% p.a.

$$\text{Interest} = \frac{P \times R \times T}{100} = \frac{1000 \times 5 \times 1}{100} = \text{Rs } 50$$

$$\begin{aligned} \text{Total amount paid after 1 year} &= \text{Principal amount} + \text{Interest} = \text{Rs } 1000 + \text{Rs } 50 \\ &= \text{Rs } 1050 \end{aligned}$$

Simple Interest Ex 13.1 Q9

Answer :

Principal amount (P) = Rs 550

Time period (T) = 6 months = $\frac{6}{12} = \frac{1}{2}$ year (1 year = 12 months)

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

$$\text{Interest} = \frac{P \times R \times T}{100} = \frac{550 \times 8 \times 1}{100 \times 2} = \text{Rs } 22$$

$$\begin{aligned} \text{Total amount paid after 6 months} &= \text{Principal amount} + \text{Interest} = \text{Rs } 550 + \text{Rs } 22 \\ &= \text{Rs } 572 \end{aligned}$$

***** END *****