

1. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. What is the sum?

**Solution:** S.I. for 1 year = Rs. (854 - 815) = Rs. 39.

S.I. for 3 years = Rs.(39 x 3) = Rs. 117.

Principal = Rs. (815 - 117) = Rs. 698

2. How much time will take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest ?

**Solution:** Time =  $(100 \times 81) / (450 \times 4.5) = 4$  years.

3. Calculate S.I. on Rs 6250 at 14% per annum for 146 days.

**Solution:** P = Rs. 6250, R = 14 % & T = (146/365) years = 2/5 years .

$$\text{S.I.} = \text{Rs. } \left( 6250 \times 14 \times \frac{2}{5} \times \frac{1}{100} \right) = \text{Rs. } 350$$