Date

24.1.2024

Class - VII
Subject - Mathematics
Lesson - Commercial Mathematics
Ex 8.5.

6. Let the principal be ₹100
The amount after 5 years will be ₹200

$SI = A - P$

$= 200 - 100 = ₹100$

$SI = \frac{P \times R \times T}{100}$

$200 = \frac{100 \times R \times 5}{100}$

$R = \frac{100 \times 100}{100 \times 5} = 20\%$

Ans = 20%

7 $P(I) = ₹5000$, $T(I) = 5$ years

$P(II) = ₹4000$, $T(II) = 3$ years

Let the rate be x

$SI(I) = \frac{5000 \times 5 \times x}{100} = 250x$

$SI(II) = \frac{4000 \times 3 \times x}{100} = 120x$

$SI(I) + SI(II) = ₹2960$

$250x + 120x = ₹2960$

$370x = 2960$

$x = \frac{2960}{370} = 8\%$

Ans = 8%

Note : Do the sums from 8 to 10. by yourself