









A sum of Ps. 725 is lent in the beginning of a year at a certain rate of interest. After 8 months, a sum of Ps. 362.50 more is lent but at the rate twice the former. At the end of the year, Ps. 33.50 is carned as interest from both the loans, what was the original rate of interest?

8 725 X 7 X I + 362.5 X 2 T X \\ \frac{1}{3} = 33.5

 $\frac{725 \times 00 \times 1}{100} + \frac{362.5 \times 20 \times 1}{100 \times 3} = 33.5$

Make base same Multiply by 3

3×725×7×1 + 362.5×27×1 = 33.5

100×3 100×3

21758 + 7288 = 33.5

29007 = 33.50

297 = 33.5 × 3

298=100.5

r = 100,5 0000

8-3.6 %

10) A man took loan from a bank at the rate of 12% p.a. Simple interest After 3 years he had to pay ps. 5400 interest only for the period. The principal amount borrowed by him was:



