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(Affiliated to CBSE up to +2 Level)

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The diff between the S.I and C.I on a centuin Sum of money for 2 years at 12% For annum in then Show that C.1-S.I=P(70)2 det the dum be p, hate 2% and time & years S.J = PXRXT $= \frac{\rho \times \delta \times 2}{\mu \delta V CD} = \frac{\rho \times \delta}{50}$ C.I = P { (1+ 1/2)]-1 } = b{(1+ 200)2-1} = P{ (100+8)2-1 } = P 10000 + 2007 + 72 - 10000

$$C.I. - S.I = \begin{cases} \frac{\pi^2 + 200\pi}{10000} - \frac{p\pi}{50} \end{cases}$$

$$= p \begin{cases} \frac{\pi^2 + 200\pi}{10000} - \frac{p\pi}{50} \end{cases}$$

$$= p \left(\frac{\pi^2}{10000} \right)$$

$$= p \left(\frac{\pi^2}{1000} \right)^2$$

I The diff" between 5. I and c. I on a. ceretain sum of money for syens at 4%. por annum is 20 Find the sum. Giwn.

C.I -S.I = 20. 2=41. == 2 years.

9 find the diff" between C. I and S.I 9 } Perincipal 8000/- rate 5% and time eyers.