

VIII - Mathematics Assignment No - 06 - Comparing Quantities

Compound Interest: (C.I)

- Q1. A person deposited Rs 32000 with a company at 12.5% per annum for a period of 3 years, at C.I. Find his interest after the expiry of the period.
- Q2. Arun deposited Rs 20,000 for 1 year at 8% p.a at C.I. Find his amount after the expiry of the period, if interest is calculated half-yearly.
- Q3. Anil deposited Rs 20,000 with Indian Oil Company for a period of one year. The company credits the interest quarterly in his account at 16% p.a. Find his interest.
- Q4. The population of a town is 80,000. If the population increases annually at the rate of 75 per 1000. Find the population of this town after 2 years

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- Q5. The population of a town was 1,60,000 3 years ago. If it had increased by 3%, 2.5% and 5% respectively in the last three years. Find the present population.
- Q6. The value of an article depreciates by 10% annually. If the present value of the article is Rs one Lakh. What will be its value after 2 years.
- Q7. The difference between C.I and S.I for 2 years at 5% p.a at a certain sum of money is Rs 2.50. Find the sum.
- Q8. At what rate Rs 20,000 becomes Rs 24200 after 2 years at C.I. ?
- Q9. What sum will become Rs 9261 at 5% p.a, C.I after 3 years.
- Q10. After how many years will Rs 1600 become Rs 2025 at $12\frac{1}{2}\%$ per annum C.I.

(Q1) Rs 13562.50	(Q4) 92450	(Q7) Rs 1000	(Q10) 2yrs.
(Q2) Rs 21532	(Q5) 177366	(Q8) 10%	
(Q3) Rs 3397.17	(Q6) Rs 81000	(Q9) Rs 8000	