

Compound Interest

1. What will be the interest earned on sum of Rs. 5500 kept for 6 months at 25% interest rate compounded quarterly?
 - a) Rs. 825
 - b) Rs. 735.5
 - c) Rs. 855
 - d) Rs. 815
2. What compound interest will Rs. 5000 fetch in 3 years 10 months at 30% per annum?
 - a) Rs. 8725.25
 - b) Rs. 8735.50
 - c) Rs. 8856.55
 - d) Rs. 8731.25
3. How much money invested at compound interest will yield Rs. 6350.40 at the end of 3 years? For the first year the rate of interest is 5%; for second year it increases to 12% and for third year it decreases to 8%.
 - a) Rs. 5800
 - b) Rs. 5500
 - c) Rs. 6000
 - d) Rs. 5000
4. An amount becomes 4 times in 6 years. In how many years will it become 64 times if the rate of interest remains unchanged?
 - a) 24 years
 - b) 18 years
 - c) 16 years
 - d) 12 years
5. Find the principal amount invested if the difference between Compound Interest and Simple Interest obtained for 3 years at rate of interest of 25% is Rs. 320?
 - a) Rs. 1550
 - b) Rs. 1575.38
 - c) Rs. 1525.50
 - d) Rs. 1545.78
6. In 3 years by compound interest, a sum becomes Rs. 900. But in 4 years by compound interest, the same sum becomes Rs. 1000. What is the sum and the rate of interest?
 - a) Rs. 625.20, 12.50%
 - b) Rs. 656.10, 11.11%
 - c) Rs. 686.50, 12.50%
 - d) Rs. 695.80, 11.11%
7. Rs. 400 is simple interest for a sum for 4 years at 10% rate of interest per annum. Find the compound interest for the same sum at same rate of interest for same time period?
 - a) Rs. 464.10
 - b) Rs. 480.60
 - c) Rs. 464
 - d) Rs. 454.50
8. The population of a city is 50,000 at present. It increases at the rate of 10% per annum. What will be its population 3 yr from now?
 - a) 67,250
 - b) 65,550
 - c) 60,500
 - d) 66,550
9. The population of a city is 50,000 at present. It increases at the rate of 10% per annum. What was its population 4 years ago from present?
 - a) 36, 561
 - b) 35, 450
 - c) 34,151
 - d) 33,333
10. A town has population of 50,000 in 1988. In one year i.e. by 1989 it increased by 25%. Next year i.e. in 1990, it decreased by 30%. The next year in 1991 there was an increase of 40%. What is the population at end of 1991?
 - a) 60250
 - b) 62250
 - c) 66550
 - d) 61250