

## Compound interest class viii

1. population of a city was 20,000 in the year 1997.it increased at the rate of 5% p.a. Find the population at the end of the year 2000.
2. Kamala borrowed rs 26,400 from a bank to buy a scooter at a rate of 15% p.a.compounded yearly. What amount will she pay at the end of 2 year and 4 months to clear the loan?
3. Arif took of rs 80,000 from a bank. If the of interest is 10%p.a. find the difference in amounts he would be paying after 1n  $\frac{1}{2}$  years if the interest is (1) compounded annually (2) compounded half yearly.
4. The population of a place increased to 54,000 in 2003 at the rate of 5% p.a. (1)find the population in 2001 (2) what would be its population in 2005?
5. A scooter was bought at rs 42,000. Its value depreciated at the rate of 8% p.a. find its value after one year?
6. A certain sum amounts to rs 729000 in 2 years at 8% p.a. compound interest,compounded annually. Find the sum?
7. At what rate per cent per annum will a sum of rs 6250 amount to rs 7840 in 2 years. compounded annually?
8. In what time will rs 1000 amount to rs 1331 at 10% p.a. compounded annually?
9. The simple interest on a sum of money for 3 years at 12% p.a. what will be the compound interest on the same sum at the same rate for the same period. compounded annually?
10. The difference between the compound interest.and the simple interest on a certain sum for 2 years at 15% per annum is rs 180. Find the sum ?