

COMPARING QUANTITIES**COMPOUND INTEREST****EXERCISE**

- Q.1** Find the compound interest on Rs 1000 for two years at 4% per annum.
- Q.2** Find the compound interest on Rs 8000 for $1\frac{1}{2}$ years at 10% per annum, interest being payable half-yearly.
- Q.3** Vijay obtains a loan of Rs 64000 against his fixed deposits. if the rate of interest be 2.5 paise per rupee per annum, calculate the compound interest payable after 3 years.
- Q.4** Simple interest on a sum of money for 3 years at $6\frac{1}{4}\%$ per annum is Rs 2400. What will be the compound interest on that sum at the same rate for the same period ?
- Q.5** Compute the compound interest on Rs 12000 for 2 years at 20% per annum when compounded half-yearly.
- Q.6** Find the compound interest on Rs 1000 at the rate of 10% per annum for 18 months when interest is compounded half-yearly.
- Q.7** Find the compound interest on Rs 320000 for one year at the rate of 20% per annum, if the interest is compounded quarterly.
- Q.8** Ramesh deposited Rs 7500 in a bank which pays him 12% interest per annum compounded quarterly. What is the amount which he receives after 9 months ?
- Q.9** Ram Singh buys a refrigerator for Rs 4000 on credit. The rate of interest for the first year is 5% and of the second year is 15%. How much will it cost him if he pays the amount after two years ?

Q.10 Find the compound interest on Rs 24000 at 15% per annum for $2\frac{1}{3}$ years.

Q.11 Find the principal, if the compound interest compounded annually at the rate of 10% per annum for three years is Rs 331.

ANSWER KEY

1. 81.6
2. 1261
3. 2155.06
4. 2553.13
5. 5569.20
6. 157.63
7. 68962
8. 8195.45
9. 4830
10. 9327
11. 1000