

COMPARING QUANTITIES

EXTRA QUESTION

VIII

1. There are 24% of boys in a school. If the number of girls is 456, find the total number of students in the school.
2. The cost of 15 articles is equal to the selling price of 12 articles. Find the profit per cent.
3. A watch was bought for ₹ 2,700 including 8% VAT. Find its price before the VAT was added.
4. Find the amount if ₹ 2,000 is invested for 2 years at 4% p.a. compounded annually.
5. Two candidates Raman and Rajan contested an election. Raman gets 46% of the valid votes and is defeated by 1600 votes. Find the total number of valid votes cast in the election.
6. A car is marked at ₹ 3,00,000. The dealer allows successive discounts of 6%, 4% and $2\frac{1}{2}\%$ on it. What is the net selling price of it?
7. Ramesh bought a shirt for ₹ 336, including 12% ST and a tie for ₹ 110 including 10% ST. Find the list price (without sales tax) of the shirt and the tie together.
8. Find the compound interest on ₹ 48,000 for one year at 8% per annum when compounded half yearly.
9. Sahana sells two watches for Rs. 1955 each gaining 15% on one and losing 15% on the other. Find her gain or loss percent in the whole transaction.
10. Find the compound interest on Rs. 25000 for 3 years at 6% per annum compounded annually.
11. Find the compound interest on Rs. 5000 for 1 year at 8% per annum compounded quaterly.
12. A sum of money amounts to Rs. 11910.16 in $1\frac{1}{2}$ years at 12% per annum interest being compounded semi annually. Find the sum.
13. Find the compound interest on Rs. 125000 for 9 months at 8% per annum compounded quarterly.