1. Evaluate the following:
   a) 20% of 400
   b) $12\frac{1}{2}$% of 1200

2. Convert the following ratios to percentages:
   a) 3 : 5
   b) 7 : 25
   c) 9 : 20

3. There are 24% of boys in a school. If the number of girls is 456, find the total number of students in the school

4. An article is marked at ₹940. If it is sold for ₹799, then find the discount percent

5. During the festival season, a saree is sold for ₹720 after allowing 20% discount. What is its marked price?

6. The marked price of a ceiling fan is ₹1250, and the shopkeeper allows a discount of 6%on it. Find the selling price of a fan

7. A watch was bought for ₹ 2700, including 8% VAT. Find its price before VAT was added

8. The cost of a T.V set at a showroom is ₹ 36500. The sales tax charged was 8%. Find the bill amount

9. 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 tie together

10. A T.V is available for ₹26880, including VAT. If the original cost of the T.V is ₹24,000, find the rate of VAT

11. Find the compound interest of ₹25000 for 3 years at 6% per annum compounded annually

12. Find the amount and CI on ₹16000 for 3 years at 5% per annum compounded annually

13. Find the difference between the compound interest and simple interest on a sum of ₹50,000 at 10% per annum for 2 years

14. The population of a village is 50000. It increases by 5% every year. Find the population at the end of 2 years
15. Amina deposited ₹8000 with a finance company for 3 years at an interest of 15% per annum. What is the compound interest that Amina gets after 3 years
16. The population of a city increases by 4% of what it had been at the beginning of each year. If the population in 1997 had been 6760000, find the population of the city in
    a) 1999   b) 1995
17. The population of a town 2 years ago was 62500. Since some people migrate to different cities, the number of people decreases every year at a rate of 4% per annum. Find its present population

Answers:
1. a) 80   b)150
2. a) 60%   b) 28%   c) 45%
3. 600
4. 15%
5. ₹900
6. ₹1175
7. ₹2500
8. ₹39420
9. ₹400
10. 12%
11. ₹4775.40
12. ₹18522, ₹2522
13. ₹500
14. 55125
15. ₹4167
16. 7311616, 6250000
17. 57600

****