Educonclave

1. Find the ratio of Speed of a cycle 15 km per hour to the speed of scooter 30 km per hour.

2. If $x\%$ of 2000 is 100, then find the value of x.

3. What percent of the total population are children in a city containing 55% females, 36% males and the rest are children.

4. Calculate the simple interest on ₹ 560 at 10% per annum for a period of two years?

5. Find the net gain percent if a shopkeeper marks a computer 20% above the actual price and sells it at a discount of 15%.

6. The price of a cycle was ₹ 34,000 last year. It has increased by 20% this year. What is the price now?

7. An item marked at 840 is sold for 714. What is the discount and discount $\%$?

8. A mother divides ₹ 12000 in between her two daughters Reena and Meena in the ratio of 1 : 2. Find the share of both of them.

9. Tanuj sold a watch at 5 % loss. Had he sold it for ₹ 104 more, he would have gained 8%. Find the selling price of the watch.

10. The population of a town is 3,60,000. The birth rate is 5.8% per annum and the death rate is 3.8% per annum. What will be the population of the town after 3 years?

10. In what time will ₹ 1,600 amount to ₹ 1,764 at 5% per annum compounded annually?

11. At what rate percent will a sum of ₹ 3,125 amount to ₹ 3,645 in two years?

12. Compute the compound interest on ₹ 5,000 for one and half years at 16% per annum compounded half yearly,

13. Find the time required for the price of a scooter to rise from ₹ 40,000 to ₹ 48,400 if the rate of growth is 10%.

14. In how many years will ₹ 1,800 amount to ₹ 2,178 at 10% per annum when compounded annually?

15. At what rate percent per annum will ₹ 640 amount to ₹ 774.40 in two years when compounded annually?