

Compound Interest Worksheet – 1

1. Find the simple interest and amount on Rs. 3000 at 7% per annum for 3 years.
2. What sum of money will yield Rs. 210 as simple interest in 2 years 4 months at 5% per annum?
3. Find the rate of interest when Rs. 750 fetches Rs. 150 as a simple interest in 2 years.
4. When simple interest on Rs 3 lakhs at 6% per annum is Rs. 6000, then find the time.
5. Find the sum of money when simple interest at 11% per annum for 2 years is Rs. 3300.
6. Find the sum of money when the final amount is Rs. 42000 at 5% per annum for 5years.
7. How long will it take a certain sum of money to 4 times of itself at $12\frac{1}{2}$ % per annum simple interest?
8. At a certain rate of simple interest Rs. 3050 amounts to Rs. 3576 in 2 years. At the same rate of simple interest, how much would Rs. 50,000 amount to in 3 years?
9. What sum of money invested at 5% per annum simple interest for 2 years produces twice as much interest as Rs. 8500 in 3 years at 7% per annum simple interest?
10. Calculate the compound interest on Rs. 7200 at 12% per annum for two years.
11. Sobha borrowed from bank a sum of Rs. 2000 to purchase a machine. If the rate of interest is 5% per annum, what is the compound interest that she has to pay after 2 years?
12. Nitin invests Rs. 14000 for 2years at 5% per annum. Calculate the amount and the compound interest that he will get after 2 years.
13. A investor invests Rs. 50,000 at 5% per annum compound interest for 3 years.

Calculate

- (i) The interest for the first year
 - (ii) The amount for his credit at the end of second year
 - (iii) The interest for the third year
14. At what percent per annum compound interest for Rs. 15,625 amounts to Rs. 21,952 in 3 years?
 15. Calculate the amount and the compound interest on Rs. 7000 in 2 years when the rate of interest for successive years is 5% and 4% respectively.
 16. Calculate the difference between the compound interest and the simple interest on Rs. 25000 in 3 years at 5% per annum.
 17. Calculate the amount and compound interest on Rs. 35000 for 3 years at 10% per annum compounded annually.
 18. Sita borrowed Rs. 23,000 from a Bank to buy a scooter at a rate of 10% per annum compounded yearly. What amount will she pay at the end of 2 years and 3 months to clear the loan?

19. Shreyas borrowed Rs. 28000 from Raghav at 7% per annum simple interest for 2 years. If Shreyas had borrowed this sum at 7% per annum compound interest, what extra amount would he have to pay?

20. Ramesh borrowed Rs. 85000 from a bank. If the rate of interest is 10% per annum, find the amount he would be paying after $2\frac{1}{3}$ years if the interest is compounded annually.