1. Find the simple interest if ₹25000 are invested for 4 years at 7% pa interest.

2. Find the simple interest is ₹30000 are invested for 8 years at 2.5% pa.

3. Find the amount if ₹11000 are invested under SI for 4.5 years at 10% pa?

4. In how many years, a sum will become 4 times of itself at 5% SI?

5. In what time will ₹12000 lent at 4% per annum on simple interest earn as much interest as ₹10000 will earn in 8 years at 3% per annum on simple interest?

6. At what simple rate a sum will become 8 times of itself in 20 years?

7. Abhay took a loan of ₹15000 with simple interest for as many years as the rate of interest. If he paid ₹9600 as interest at the end of the loan period, what was the rate of interest?

8. A sum of money at simple interest amounts to ₹6675 in 5 years and to ₹6810 in 6 years. The sum is:

9. How much time will it take for an amount of ₹7200 to yield ₹9960 as interest at 6% per annum of simple interest?

10. Amogh borrowed ₹14000, partly from bank A and remaining from bank B. He repaid ₹3840 in all as a simple interest in after 2 years. If Bank A charged at 12% pa and bank B charged at 15% pa, find the sum he borrowed from bank B.

11. A certain sum of money amounts to Rs 44800 in three years and Rs 48000 in 5 years. Find the sum invested and simple rate of interest per year.

12. If a sum of money becomes three times of itself in 8 years, in how much time it will become six times of itself at same rate of simple interest?

13. The compound interest on a certain sum for 2 years at 10% per annum is ₹1155. Find the sum.

14. Find compound interest on ₹7500 at 6% per annum for 2 years, compounded annually.

15. Find the compound interest on ₹16000 at 20% per annum for 6 months, compounded quarterly.

16. Find the difference between SI and CI if ₹8000 are kept at 20% pa for 3 years in both schemes.

17. A sum gives CI of ₹1200 in 4^{th} year and that of ₹1248 in 5^{th} year. Find the rate of CI pa.

18. Find the difference between SI and CI if ₹15000 are kept at 5% pa for 2 years in both schemes.

19. Arun invests same sum in two schemes – one of SI and another of CI. Both have same rate of interest. If after 2 years, the scheme under SI gives him ₹40000 as an interest and that under CI gives him ₹41600 as interest, find the sum and rate of interest pa.

20. Find the compound interest on ₹12000 for 4 years if the rate of interest is 10% p.a. for the first 2 years and 20% per annum for the next 2 years? (Round off to next or previous integer)

21. ₹12930 is divided into three parts such that their amounts after 1, 2 and 3 years respectively may be equal. If the rate of simple interest being 10% p.a. in all cases, the smallest part is:

22. Rashmi borrows ₹25000 from a bank at 12% p.a simple interest. She repays 20% of the principal at the end of every year. What is the simple interest that has accrued for the first four years?

23. Find the value that ₹12000 would amount to under compound interest at 20% p.a., interest being compounded annually in 3 years.

24. A sum of money compounded annually becomes ₹6250 in 2 years and ₹6750 in 3 years. The rate of interest per annum is:

24. Find the compound interest if ₹15000 are invested at 10% for 3 years, interest being compounded annually.

25. Find the compound interest if ₹30000 are invested at 8% per anum for one and half years, interest being compounded half yearly.

26. A sum amounts to ₹28800 in two years and to ₹34560 in three years under compound interest, interest being compounded annually. Find the sum and the rate of interest.

27. Find the difference between CI and SI if ₹25000 are invested at 4% per anum for three years.

28. The difference between the compound and simple interests on a sum for three years at 20% p.a. is ₹3200. Find the sum.

29. Harish wins a lottery. He has various options. The first option is to invest in a fixed deposit in the bank for 2 years. Consequently he gets an interest of ₹28215, compounded annually. The other option is to invest it with a money lender at a simple rate which is same as the rate of interest p.a. given by the bank and this scheme generates an interest of ₹27000 in 2 years. Find the sum he won in the lottery and the rate of interest p.a.

30. The value of a machine depreciates at the rate of 10% p.a. every year. What was the value of the machine two years ago, if its present value is ₹24,300? (in ₹)

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