

Compound Interest CBSE TEST PAPER: Maths for Class VIII (8th)

1. Find compound interest on Rs. 8000 at 15% per annum for 2 years 4 months, compounded annually.

Ans: Rs. 3109.

2. Find the compound interest on Rs. 10,000 in 2 years at 4% per annum, the interest being compounded half-yearly.

Ans: Rs. 824.32.

3. In what time will Rs. 1000 become Rs. 1331 at 10% per annum compounded annually?

Ans: 3 years.

4. If Rs. 600 amounts to Rs. 683.20 in two years compounded annually, find the rate of interest per annum.

Ans: 8% p.a.

5. The difference between the compound interest and simple interest on a certain sum at 10% per annum for 2 years is Rs. 631. Find the sum.

Ans: Rs.63, 100.

6. The difference between the compound interest and the simple interest accrued on an amount of Rs. 18,000 in 2 years was Rs. 405. What was the rate of interest per annum?

Ans: 15%

7. Divide Rs. 1301 between A and B, so that the amount of A after 7 years is equal to the amount of B after 9 years, the interest being compounded at 4% per annum.

Ans: Rs.676 and Rs.625

8. A sum of money amounts to rs.6690 after 3 years and to rs.10, 035 after 6 years on compound interest. Find the sum

Ans: Rs.4460.

9. A sum of money doubles itself at compound interest in 15 years. In how many years will it become eight times?

Ans: 45 years.

10. Amit took a loan of Rs.390625 from HDFC Finance. If the company charges interest at 16% per annum, compounded quarterly, what amount will discharge his debt after one year?

Ans: . Rs 45697

11. At what rate percentage per annum will a sum of rupees 4000 yield compound interest of rupees 410 in 2 years.

Ans: 5%

12. The compound Interest on a certain sum of money for 2 years is Rs 820 and the SI on the same sum for the same period is Rs 800 .find the sum and the rate of interest .

Ans 5%

13. The value of a machine depreciates at 12.5% per annum. it was purchased 3 yrs ago. If its present value is Rs.13720, Find the original value of machine.

Ans: Rs.20480

14. The C.I. on a certain sum for 2 years is Rs.410 and S.I. is Rs.400. Find the rate of interest per annum?

Ans: 5%

15. The sale of a particular item has decreased by 20%.By what percent price of the item should be increased so that there is no change in revenue collection

Ans: 25%