Free Compound Interest Worksheets
8th Grade compound interest Test Paper

1. Find the difference between the simple interest and the compound interest on Rs.5000 for 2 years at 6% per annum. [Rs 18]

2. Anand deposited a sum of Rs 6250 in the ICICI Bank for 1 year, compounded half-yearly at 8% per annum. Find the compound interest he gets.[Rs 510]

3. Summi borrowed Rs.20000 from her friend Nikita at 12% per annum simple Interest. She lent it to Nikita at the same rate but compounded annually. Find her gain after 2 years.[Rs 288]

4. Find the amount and the compound interest:
(a) Principal = Rs.15000, rate = 10% p.a. and time = $2^1/_5$ years. [Amount =Rs18513, CI = Rs 3513]
(b) Principal = Rs 8000, time = 2 years and the rates being 9% per annum during the first year and 10% per annum during the second year.[Amount = Rs 9592, CI = Rs 1592]

5. The difference between the compound interest and the simple interest on a certain sum for 3 years at 10% per annum is Rs. 93. Find the sum. [Rs 3000]

6. A sum of money amounts to Rs. 10240 in 2 years at $6^2/_3$ % per annum, compounded, annually. Find the sum. [Rs 9000]

7.At what rate per cent per annum will Rs.640 amount to Rs.774.40 in 2 years when compounded annually? [10% p.a.]

8. In how many years will Rs. 1800 amount to Rs.2178 at 10% per annum when compounded annually? [2yrs]

9. Sam deposited Rs.32000 in a bank, where the interest is credited quarterly. If the rate of interest be 5% per annum, what amount will he receive after 6 months? [Rs 32805]

10. 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 p.a.? [15%]

11. 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.[Rs.676 and Rs.625]

12. 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. [Rs.4460]

13. A sum of money doubles itself at compound interest in 15 years in how many years will it become eight times?[45yrs]

14. 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

15. A loan of Rs 4641 is to be paid back by 4 equal annual installments. The interest is compounded yearly at 10%. Find the value of each installment.[Rs 1464·10]