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Class 9 - ICSE

MATHEMATICS

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**Compound Interest (Without
Using Formula)
Daily Practice Problems**



Class 9 Mathematics ICSE | Compound Interest (without Using Formula) | DPP Questions

Question 1:

Find the amount and the compound interest on ₹ 10000 at 15% per annum for 2 years. [Level: Easy]

Question 2

A certain sum amounts to Rs 4000 in two years and Rs 4800 in 3 years, interest being compounded annually, the rate of interest per annum is: [Level: Moderate]

Question 3:

Find the compound interest on Rs 10,000 at 10% per annum and in 1 year; interest being compounded half-yearly. [Level: Moderate]

Question 4:

What is the difference between the compound interest and simple interest on Rs 8000 at 16 per cent per annum and in 2 years. [Level: Difficult]

Question 5:

Mrs. Smitha invested ₹ 5000 at a certain rate of interest, compounded annually for two years. At the end of first year, it amounts to ₹ 5500. Calculate

(i) the rate of interest.

(ii) the amount at the end of the second year, to the nearest rupee. [Level: Moderate]

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Question 6:

Find the compound interest (CI) on Rs. 6,300 for 2 years at 10% per annum compounded annually. [Level: Easy]

Question 7:

Find the compound interest (CI) on Rs. 50,000 for 2 years at 20% per annum compounded half yearly. [Level: Easy]

Question 8:

Calculate the compound interest for the second year on ₹ 8000 for three years at 10% p.a. Also find the sum due at the end of third year. [Level: Moderate]



Question 9:

The simple interest on a sum of money for 3 years at 10% per annum is ₹ 3000. Find:

(i) the sum of money.

(ii) the compound interest on this sum for three years payable annually at the same rate. [Level: Difficult]

Question 10:

A certain sum of money is put at compound interest, compounded annually. If the interest for two successive years are Rs 1000 and Rs 1200, find the rate of interest. [Level: Easy]

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Question 11:

Find the rate of interest if 10000 amounts to 12100 in 2 years? [Level: Easy]

Question 12:

Find the ratio between simple interest and compound interest earned on sum Rs 1000 at the rate of interest 20% for 2 years. [Level: Moderate]

Question 13:

A sum of money becomes Rs 22050 in 6 months at a rate of 20% per annum if the interest was compounded quarterly. Find the sum? [Level: Difficult]

Question 14:

A sum of money becomes 11616 in 1 year at a rate of 16% per annum if the interest was compounded half yearly. Find the sum? [Level: Difficult]

Question 15:

Manu invests Rs 48,000 for 7 years at 10% per annum compound interest. Find the interest for first and second year. [Level: Moderate]

Question 16:

Mr. Ashok invested ₹ 10,000 at a certain rate of interest, compounded annually for two years. At the end of first year, it amounts to ₹ 10650.

Calculate

(i) the rate of interest.

(ii) the amount at the end of the second year, to the nearest rupee. [Level: Difficult]

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Question 17:

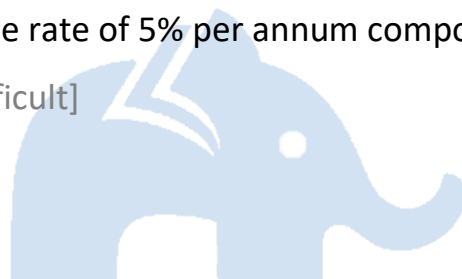
A certain sum of money is put at compound interest, compounded half yearly. If the interest for two successive half-years are Rs 1000 and Rs 1100, find the rate of interest. [Level: Moderate]

Question 18:

If S.I on a certain sum is Rs 2400 in 6 years; the S.I on the sum for 1 year will be _____. [Level: Easy]

Question 19:

Find the sum on which the difference between the simple interest and the compound interest at the rate of 5% per annum compounded annually be Rs 32 in 2 years. [Level: Difficult]



Question 20:

A person invests ₹ 10000 for two years at a certain rate of interest, compounded annually. At the end of one year this sum amounts to ₹ 11200. Calculate the rate of interest per annum. [Level: Moderate]
