

COMPOUND INTEREST

PLUTUS ACADEMY

Q.1. A certain sum of money is lent at 20% p.a for 2 years. The compound interest on the sum is Rs 33. Find the sum ?

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Q.2. A sum of money is given at 25% rate of interest for 2 years. The compound interest received is Rs 36. What is the principal ?

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Q .3. The difference between compound interest and simple interest on a given sum lent at $16\frac{2}{3}\%$ for 2 years is Rs 2. Find the sum ?

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Q.4. If the C.I for 2nd year is Rs 720 on a given principal at $12\frac{1}{2}\%$ p.a lent for 2 years. Find the principal ?

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Q.5. A sum of money is given at $14\frac{2}{7}\%$ for first year and $11\frac{1}{9}\%$ p.a for second year. The difference between C.I & S.I for two years is Rs 30. Find the principal ?

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Q.6. Find the principal which will give compound interest equal to Rs 1320 lent at $12\frac{1}{2}$ % p.a for 1 year and 4 months ?

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Q.7. A sum of Rs 1000 is given at Rate 20% p.a. For 1 year and 73 days. Find the Compound interest ?

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Q.8. A sum of money is lent at rate of interest 10% p.a for 3 years. The compound interest gained is Rs 6620. Find the principal ?

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Q.9. A sum of money is lent at rate of interest $16\frac{2}{3}\%$ p.a for 3 years. The difference between CI and SI= 570. Find the principal ?

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Q.10 A sum of money is lent at rate of interest $6\frac{2}{3}\%$ p.a for 3 years. The difference between CI and SI= 92. Find the principal ?

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Q.11 A sum of money is lent at rate of interest 20% p.a for 3 years. The difference between 3rd year CI and 2nd year CI = 420 Find the principal ?

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Q.12 A sum of money is given at rate of interest $16\frac{2}{3}\%$ p.a, $12\frac{1}{2}\%$ p.a and 10% p.a for third year. The difference between the C.I and S.I is Rs 150. Find the Principal ?

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Q.13 A sum of money is 14580 at the rate of interest $11\frac{1}{9}\%$ p.a for 2 years and 3 months. Find the CI?

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Q.14 A sum of Rs 5000 is given at rate of interest 20% p.a for 1 year and 6 months compounded half yearly. Find the difference between C.I & S.I ?

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Q.15 In what time will Rs. 1000 become Rs. 1331 at 10% per annum compounded annually?

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Q.16 If 2000 becomes 2420 at the rate of 10% compound interest in certain time period then find the time period?

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Q.17 If 8100 becomes 10000 at the rate of $11\frac{1}{9}\%$ compound interest in certain time period then find the time period?

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Q.18 A sum of money becomes 3 times of itself in 8 years. In how many years it will become 243 times of itself?

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Q.19 A sum of money becomes 2 times of itself in 5 years. In how many years it will become 512 times of itself ?

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Q.20 An amount becomes 8 times of itself in 3 years. Find the rate of compound interest?

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Q.21 An amount becomes 27 times of itself in 3 years. Find the rate of compound interest?

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Q.22 A sum of money becomes 4500 rs in 5 years and 6750 rs in 10 years. Find the principal ?

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Q.23 A sum of money becomes 3200 rs in 4 years and 8000 rs in 8 years. Find the principal ?

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Q.24 A sum of money becomes 8000 rs in 2 years and 27000 rs in 5 years. Find the principal ?

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Q.25 A person lent out a certain sum on simple interest and the same sum on compound interest at a certain rate of interest per annum. He noticed that the ratio between the difference of compound interest and simple interest of 3 years and that of 2 years is 19 : 6 . The rate of interest per annum is ?

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Q.26 A person lent out a certain sum on simple interest and the same sum on compound interest at a certain rate of interest per annum. He noticed that the ratio between the difference of compound interest and simple interest of 3 years and that of 2 years is 25 : 8. The rate of interest per annum is ?

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Q.27 Ci on a certain sum at certain for 2 years is RS 2050 and Si on same for 3 years RS 3000. Find the sum?

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Q.28 Si and CI on a certain sum at certain rate for 2 years is Rs 900 and RS 954 respectively.find the sum.

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Q.29 On a certain principle if the simple interest for two years is RS 2800 and compound interest for two years is RS 2996. What is the rate of interest?

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Q.30 Difference between Ci and Si on RS 5000 for 2 years is RS 32. Accordingly what is the rate of interest?

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Q.31 The compound interest on Rs 4000 for 4 years at 10% per annum will be--

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Q.32 Find the difference between Ci and Si on Rs 32,000 at rate of 10% per annum in 4 years?

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Q.33 The amount of RS 10000 after 2 years , compounded annually with the rate of interest being 10% per annum during the first year and 12% per annum during the second year, would be

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Q.34 Difference between CI and SI on a certain sum at rate of 10% per annum in 2 years is RS 300. Find the sum?

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