Math's
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Sir

TOPIC

COMPOUND INTEREST

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1. Principal = Rs. 7500
Rate of interest = 4% per annum
Time = 2 year
Compound interest = ?

2. Principal = Rs. 36000

Rate of interest = $16\frac{2}{3}$%

Time = 2 year

Compound interest = ?

3. Principal = Rs. 19200

Rate of interest = $12\frac{1}{2}\%$

Time = 2 year
Compound interest = ?

4. Principal = Rs. 45000
Rate of interest = 9%
Time = 2 year
Compound interest = ?

5. 2 year compound interest and simple interest difference is Rs. 50 and rate

interest is $12\frac{1}{2}\%$ per annum. Find principal

किसी धन के 2 वर्ष के चक्रवृद्धि ब्याज व साधारण ब्याज में अंतर रु.50 है और ब्याज की दर $12\frac{1}{2}\%$ है तो मूलधन क्या है?

6. 2 year compound interest and simple interest difference is 40/- and rate of interest is $16\frac{2}{3}\%$ per annum. Find principal.

यदि किसी धन के 2वर्ष के चक्रवृद्धि ब्याज व साधारण ब्याज में अंतर 40 है और ब्याज की दर $16\frac{2}{3}\%$ है, तो मूलधन क्या होगा?

7. Compound interest = Rs. 650

Rate of interest = $16\frac{2}{3}\%$

Time = 2 year

Principal = ?

8. Compound interest = Rs. 328
Rate of interest = 5%
Time = 2 year
Principal = ?

9. Amount = 2420
Rate = 10%
Time = 2 year
Principal = ?

10. Amount = Rs. 39200

Rate = $7\frac{9}{13}\%$

Time = 2 year   find p =?

11. 2nd year compound interest = Rs. 630

Rate = $12\frac{1}{2}\%$

Time = 2 year

Principal = ?

12. Difference of compound interest and simple interest = Rs. 40

Rate = $7\frac{9}{13}\%$

Time = 2 year

Compound interest = ?

13. 2nd year compound interest = Rs. 850

Rate = $6\frac{1}{4}\%$

Time = 2 year

Principal = ?

14. Difference of compound interest and simple interest = Rs. 42

Rate = $6\frac{2}{3}\%$

Time = 2 year

Simple interest of 10 years = ?

15. Compound interest of 2ⁿᵈ year = Rs. 950

Rate = $11\frac{1}{9} pcpa$

Time = 2 year
Simple interest of 10 year = ?

16. Compound interest on a. certain sum of money at 5% per annum for 2 year is Rs. 246. Then find simple interest on the same sum for 4 years at 6% per annum.

किसी घन का 5% के चक्रवृद्धि ब्याज की दर से 2 वर्ष का चक्रवृद्धि ब्याज रु. 246 है, तो इसी धन का 6% की दर से 5 का साधारण ब्याज क्या होगा?

17. Principal = Rs. 10,000
Rate of 1't year = 4%
Rate of 2ml year = 5%
Time = 2 year
Compound interest = ?

18. Difference of compound interest and simple interest = Rs. 40

Rate of 1ˢt year = $11\frac{1}{9}$%

Rate of 2ml year = $14\frac{2}{7}$%

Principal = ?

19. Principal = Rs. 8000
Rate = 5%
Time = 1 year 73 days
Compound interest = ?

20. Principal = Rs. 1470

Rate = $14\frac{2}{7}$%

Time = 1 year 4 month

Compound interest = ?

21. Difference of compound interest and simple interest = Rs. 60
Rate of 1st year = 3%
Rate of 2nd year = 2%
Principal = ?

22. A sum of money invested at compound interest doubles itself in 6 year. At the same rate of interest it will amount to 8 times of itself in how many year.

कोई धन CI की किसी दर 6 वर्ष में स्वयं का दोगुना हो जाता है। ब्याज की उसी दर पर स्वयं का 8 गुना होने में कितना समय लगेगा?

23. A sum of money becomes 4500 after 2 years and Rs. 6750 after 4 years compounded annually. What is the sum?

कोई धन CI की किसी दर पर 2 वर्ष में 4500 हो जाता है और 4 वर्ष में 6750 हो जाता है। तो धन क्या होगा?

24. At what rate percent per annum Rs. 2304 amount become Rs. 2500 in 2 years.

चक्रवृद्धि ब्याज की किस दर से रु. 2304, 2 वर्ष में रु. 2500 बन जाएंगे?

25. If the amount in 2.25 time of the sum after 2 years at compound interest. What is the rate of interest per annum?

कोई धन CI की किस दर से 2 वर्ष में स्वयं का 2.25 हो जायेगा?

26. At what rate per annum Rs. 32000 gives a compound interest of Rs. 5044 in 3 years.

CI की किस दर से रु. 32000, 3 वर्ष में रु. 5044 चक्रवृद्धि देंगे?

27. Principal = Rs. 51200

Rate = $12\frac{1}{2}$%

Time = 3 years

Compound interest = ?

28. Principal = Rs. 21600

Rate = $16\frac{2}{3}\%\%$

Time = 3 years

Compound interest = ?

29. The difference of a certain sum of money compound interest and simple interest is Rs. 57 and rate of interest is $16\frac{2}{3}\%$. Find the principal amount?

Time = 3 years

किसी धन के 3 वर्ष के CI और SI का अंतर रु. 57 है और ब्याज की दर $16\frac{2}{3}\%$ है। तो मूलधन क्या होगा?

30. The difference between compound interest and simple interest of 3 years is Rs. 122 on a certain sum of money. Find the principal amount and rate of interest is 5%.

किसी धन के 3 वर्ष के CI तथा SI का अंतर रु.122 बराबर है और ब्याज को 5% हो तो मूलधन क्या होगा?

31. 3 years compound interest and simple interest difference is numerically equal to rate of interest and rate of interest is $12\frac{1}{2}\%$ then find principal amount

किसी धन के तीन वर्ष के चक्रवृद्धि ब्याज व साधारण ब्याज का अंतर संख्यात्मक रूप से दर के बराबर है तो धन राशि क्या होगी

32. Rate = 10%
Time = 3 year
Compound interest = Rs. 9930
Principal = ?

33. Amount = Rs. 17150

Rate = $16\frac{2}{3}$%

Time = 3 years

Compound interest = ?

34. Amount = Rs. 145800

Rate = $12\frac{1}{2} pcpa$

Time = 3 years
Compound interest = ?

35. Rate = 20%

Difference between simple interest and compound interest = Rs. 800

Time = 3 years

Principal = ?

36. Rate = $11\frac{1}{9}\%$

Difference between compound interest and simple interest = Rs. 140
Time = 3 years
Principal = ?

37. Rate = $11\frac{1}{9}\%$

Time = 3 years

Compound interest of 3rd year = Rs. 300

Principal = ?

38. Rate = $11\frac{1}{9}\%$

Compound interest of 3rd year = Rs. 11000
Time = 3 year
Compound interest = ?

39. Compound between 3rd year and 2nd year compound interest Rs. 32.

Rate = $14\frac{2}{7}$%

Time = 3 year

Simple interest of 10 year = ?

40. Principal = Rs. 10000
Rate = 5%
Time = 2 year 73 days
Compound interest = ?

41. Principal = Rs. 20,000

Rate = 10%

Time = $2\frac{1}{2}$ years

Compound interest = ?

42. The ratio of 3 years compound interest and simple interest difference with 2 years compound interest and simple interest difference is25:8. Then find rate of interest.

किसी धन के 3 वर्ष के CI तथा SI का अंतर और उसी घन के 2 वर्ष के CI और SI के अंतर का अनुपात 25:8 है। तो ब्याज की दर क्या होगी?

43. Find the amount Rs. 6400 in $1\frac{1}{2}$ years at 5pcpa compound interest, interest be calculated half yearly.

रु.6400 का 5% की दर पर $1\frac{1}{2}$ वर्ष के बाद मिश्रधन क्या होगा? यदि ब्याज छ: महि देय है।

44. Find the compound interest on 10,000/- in 9 months at 4% per

रु.10000 का 4% वार्षिक CI की दर 9 महीने का CI ब्याज क्या होगा? यदि ब्याज तिमाही देय हो।