At CI Sum become ' N' times after 'T' years

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Vedic Mathematics

1) A sum of money becomes eight times in 3 years, if the rate is compounded annually. In how much time will the same amount at the same compound rate become sixteen times?
a) 5 years b) 6 years
c) 8 years d) 4 years

2) A sum of money placed at compound interest doubles itself in 5 years. In how many years, it would amount to eight times of itself at the same rate of interest ?
a) 20 years b) 10 years
c) 7 years d) 15 years

3) A sum of money placed at compound interest doubles itself in 4 years. In how many years will it amount to four times itself ?
a) 16 years b) 12 years
c) 8 years d) 13 years

4) If a sum of money compounded annually becomes 1.44 times of itself in 2 years, then the rate of interest per annum is
a) 20% b) 25%
c) 21% d) 22%

5) A sum of money invested at compound interest doubles itself in 6 years. At the same rate of interest it will amount to eight times of itself in :
a) 10 years b) 15 years
c) 18 years d) 12 years

6) If the amount is 2.25 times of the sum after 2 years at compound interest (compound annually), the rate of interest per annum is :
a) 50% b) 25%
c) 45% d) 30%

7) A sum of Rs.12, 000, deposited at compound interest becomes double after 5 years. How much will it be after 20 years ?
a) Rs.1, 92,000 b) Rs.1, 44,000
c) Rs.1, 50,000 d) Rs.1, 20,000

8) A sum of money becomes double in 3 years at compound interest compounded annually. At the same rate, in how many years will it become four times of itself ?
a) 7.5 years b) 4 years
c) 6.4 years d) 6 years

9) A sum borrowed under compound interest doubles itself in 10 years. When will it become fourfold of itself at the same rate of interest ?
a) 40 years b) 15 years
c) 24 years d) 20 years

10) A sum of money becomes eight times of itself in 3 years at compound interest. The rate of interest per annum is
a) 10% b) 100%
c) 20% d) 80%

11) A sum of money at compound interest doubles itself in 15 years. It will become eight times of itself in
a) 60 years b) 45 years
c) 54 years d) 48 years

12) A sum of money becomes 1.331 times in 3 years as compound interest. The rate of interest is
a) 50% b) 8%
c) 10% d) 7.5%

13) A sum of money at compound interest amounts to thrice itself in 3 years. In how many years will it be 9 times itself ?
a) 3 years b) 9 years
c) 6 years d) 27 years

14) If the amount is $3\frac{3}{8}$ times the sum after 3 years at compound interest compounded annually, then the rate of interest per annum is

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a) $33\frac{1}{3}\%$ b) 25%

c) $16\frac{2}{3}\%$ d) 50%

15) At what rate percent per annum of compound interest, will a sum of money become four times of itself in two years ?

a) 20% b) 100%

c) 50% d) 75%

16) A sum of money doubles itself in 4 years at compound interest. It will amount to 8 times itself at the same rate of interest in :

a) 24 years b) 18 years

c) 16 years d) 12 years

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