# Simple intrest

Spardhaguru India Private Limited

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10 Years of Excellence

Vedic Mathematics
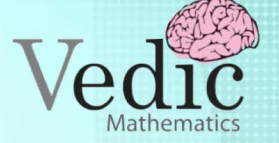
1) Given that simple interest on a certain sum of money is Rs. 4016.25 at 9% per annum in 5 years. Find the sum of money.
a) 8925
b) 4567
c) 9867
d) 6543

2) Calculate the simple interest on Rs. 8000 for 15 months at 6 paise per rupee per month.
a) 8965
b) 6000
c) 7200
d) 6500

3) A sum of Rs. 25000 will become Rs. 31000 in 48 months at some rate of simple interest. Find the rate of interest per annum.
a) 8%
b) 6%
c) 4%
d) 7%

4) A sum of Rs. 12000 is lent out at 5% per annum simple interest for 5 years. What will be the amount after 5 years?
a) 15000
b) 16000
c) 12000
d) 3000

5) A sum of Rs 1750 is divided into two parts such that the interests on the first part at 8% simple interest per annum and that on the other part at 6% simple interest per annum are equal. What is the interest accumulated on each part (in Rs)?
a) 70
b) 80
c) 60
d) 20

6) A sum of money was lent at simple interest at 11% per annum for 7/2 years and 9/2 years, respectively. If the interest difference for two periods was Rs. 5500, find the sum.
a) 50000
b) 60000
c) 30000
d) 20000

7) A simple interest of Rs. 2500 is earned by investing a sum of money for 13 years. The interest rate is charged at 4% for the first 3 years, 5% for the next 4 years and 8% beyond 7 years. Find the sum of money invested.
a) 4325
b) 8765
c) 3125
d) 7654

8) A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is:
a) Rs. 650
b) Rs. 690
c) Rs. 698
d) Rs. 700

9) A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum?
a) Rs. 4462.50
b) Rs. 8032.50
c) Rs. 8900
d) Rs. 8925

10) How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?

a) 3.5 years        b) 4 years
c) 4.5 years        d) 5 years

11) Reena took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?
a) 3.6
b) 6
c) 18
d) Cannot be determined

12) An automobile financier claims to be lending money at simple interest, but he includes the interest every six months for calculating the principal. If he is charging an interest of 10%, the effective rate of interest becomes:
a) 10%
b) 10.25%
c) 10.5%
d) None of these

13) A man took loan from a bank at the rate of 12% p.a. simple interest. After 3 years he had to pay Rs. 5400 interest only for the period. The principal amount borrowed by him was:
a) Rs. 2000        b) Rs. 10,000
c) Rs. 15,000      d) Rs. 20,000

9) A sum of money amounts to Rs. 9800 after 5 years and Rs. 12005 after 8 years at the same rate of simple interest. The rate of interest per annum is:
a) 5%          b) 8%
c) 12%         d) 15%

10) What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years?
a) 1 : 3        b) 1 : 4
c) 2 : 3        d) Data inadequate

11) A certain amount earns simple interest of Rs. 1750 after 7 years. Had the interest been 2% more, how much more interest would it have earned?
a) Rs. 35
b) Rs. 245
c) Rs. 350
d) Cannot be determined

12) A man lent ₹ 60,000, partly at 5% and the rest at 4% simple interest. If the total annual interest is ₹ 2560, the money lent at 4% was
a) ₹ 40000        b) ₹ 44000
c) ₹ 30000        d) ₹ 45000

13) Mr. Khanna took a loan of 10,000 on simple interest for two years at the rate of 3 p.c.p.a. The total amount that he will be

paying as interest in 2 years is 3% of his monthly salary. What is his monthly salary?

a) ₹ 30,000
b) ₹ 16,000
c) ₹ 20,000
d) ₹ 12.000

14) What would be the simple interest accrued in four years on a principle of ₹ 18,440 at the rate of 15 pcpa?

a) ₹ 11.075
b) ₹ 12.250
c) ₹ 11.500
d) None of these

15) What would be the simple interest accrued in 4 years on a principal of ₹16,500 at the rate of 16 p.c.p.a.?

a) ₹ 11,560
b) ₹ 10,560
c) ₹ 12,500
d) ₹ 9,980

16) What will be the difference between the interest accrued on a sum of ₹4500 at 12% per annum for 2 years and that on a sum of ₹ 5600 at 9% per annum for 2 years?

a) ₹ 75
b) ₹ 72
c) ₹ 69
d) ₹ 76

17) Arun invested a sum of money at a certain rate of simple interest for a period of four years. Had he invested the same sum for a period of six years, the total interest earned by him would have been fifty per cent more than the earlier interest amount. What was the rate of interest per cent per annum?

a) 4
b) 8
c) 5
d) Cannot be determined

18) A sum of money is given at 5% interest rate for 4 years earns Rs. 100 more interest than if same sum of money is given at 6% for 3 years. What is sum of money given on simple interest?

a) Rs. 6000
b) Rs. 7000
c) Rs. 5000
d) Rs. 8000

19) What is the simple interest on Rs. 52000 at 15/13% per annum for a period of 8 month?

a) 350 Rs.
b) 400 Rs.
c) 425 Rs.
d) 375 Rs.

20) A sum of ₹ 1600 gives a simple interest of ₹ 252 in 2 yr and 3 months. The rate of interest per annum is

a) 5.5%
b) 8%
c) 7%
d) 6%

21) At what rate percent per annum will a sum of money double in 8 years.

a) 12.5%
b) 13.5%
c) 11.5%
d) 14.5%

22) How much time will take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest ?

a) 4 years
b) 2.5 years
c) 3.5 years
d) 2 years
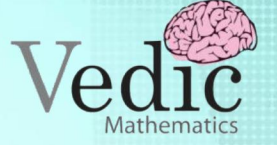
**23)** A certain sum of money amounts to Rs 1008 in 2 years and to Rs 1164 in 3 ½ years. Find the sum and the rate of interest.

a) 800, 14%　　b) 800, 13%
c) 800, 12%　　d) 800, 19%

**24)** What annual instalment will discharge a debt of Rs 1092 due in 3 years at 12% simple interest?

a) Rs.325　　b) Rs.545
c) Rs.560　　d) Rs.550

**25)** A sum was put at simple interest at a certain rate for 3 years. Had it been put at 2% higher rate, it would have fetched Rs 360 more. Find the sum.

a) Rs.4000　　b) Rs.9000
c) Rs.5000　　d) Rs.6000

**26)** Simple interest on a certain sum is 16/25 of the sum. Find the rate percent and time, If both are numerically equal..

a) Rate = 7% and Time = 7 years.
b) Rate = 8% and Time = 8 years.
c) Rate = 6% and Time = 6 years.
d) Rate = 5% and Time = 5 years.

**27)** A sum of Rs.1550 was lent partly at 8% p.a. simple interest. The total interest received after 3 years was Rs.300. The ratio of the money lent at 5% to that lent at 8% is :

a) 5:8　　b) 6:7
c) 16:15　　d) 17:18

**28)** At what rate of compound interest per annum will a sum of rs.1200 becomes rs.1348.32 in 2 years

a) 66%　　b) 6.5%
c) 7%　　d) 7.5%

**29)** A sum of money becomes 7/6 of itself in 3 years at a certain rate of simple interest. The rate per annum is ?

a) 45/7 %　　b) 50/9 %
c) 51/7 %　　d) 47/ 9 %

**30)** Question :
What is the sum which earned interest ?
Statements :
a. The total simple interest was Rs. 9000 after 9 years.
b. The total of sum and simple interest was double of the sum after 6 years.

a) Only a is sufficient
b) Neither a nor b is sufficient
c) Only b is sufficient
d) Both a and b sufficient

**31)** A Certain sum of money an amounts to Rs 2500 in a span Of 5 years and further to Rs.3000 in a span of 7 years at simple interest The sum is ?

a) Rs. 1800　　b) Rs. 2000
c) Rs. 1400　　d) Rs. 1250

32) A sum of Rs. 12,500 amounts to Rs. 15,500 in 4 years at the rate of simple interest. What is the rate of interest
a) 3%    b) 4%
c) 5%    d) 6%

33) The difference between the simple interest received from two different sources on Rs.1500 for 3 years is Rs.13.50. The difference between their rates of interest is
a) 0.1%    b) 0.2%
c) 0.3%    d) 0.4%

34) A man borrowed Rs 24000 from two money lenders. For one loan, he paid 15% per annum and for the other 18% per annum. At the end of one year, he paid Rs 4050. How much did he borrow at each rate ?
a) Rs.16000    b) Rs.12000
c) Rs.15000    d) Rs.13000

35) How long will it take for a sum of money to grow from Rs.1250 to Rs.10,000, if it is invested at 12.5% p.a simple interest?
a) 65years    b) 56years
c) 45years    d) 57years

36) A sum was put at simple interest at a certain rate for 10 years . Had it been put at 5% higher rate , it would have fetched Rs.600 more. What was the Sum?
a) Rs.1200    b) Rs.1300
c) Rs.1400    d) Rs.1500

37) The interest on a certain deposit at 4.5% p.a. is Rs. 202.50 in one year. How much will the additional interest in one year be on the same deposit at 5% p.a. ?
a) Rs. 22.5    b) Rs. 2.5
c) Rs. 202    d) Rs. 25

38) Rs.1500 is divided into two parts such that if one part is invested at 6% and the other at 5% the whole annual interest from both the sum is Rs.85. How much was lent at 5% ?
a) Rs. 500    b) Rs. 245
c) Rs. 1250    d) Rs. 635

39) A sum of money invested for a certain number of years at 8% p.a. simple interest grows to Rs.180. The same sum of money invested for the same number of years at 4% p.a. simple interest grows to Rs.120 only. For how many years was the sum invested?
a) 25years    b) 15years
c) 20years    d) 22years

40) The simple interest on Rs. 25 for 4 months at the rate of 3 paise per rupee per month is :

a) 240 paise      b) Rs. 1.40
c) Rs. 2.20      d) Rs. 3