

# Simple Interest

10 Years of Excellence



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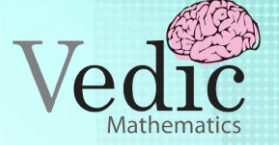
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1. A certain amount earns simple interest of Rs. 1750 after 7 years. Had the interest been 2% more, how much more interest would it have earned?

- A. Rs. 35  
B. Rs. 350  
C. Rs. 245  
**D. Can't be determined**  
E. None of these

2. The simple interest on a sum of money will be Rs. 200 after 5 yr. In the next 5 year, principal is tripled. What will be the total interest at the end of the 10th year?

- A. Rs. 650  
B. Rs. 850  
**C. Rs. 800**  
D. Can't be determined  
E. None of these

3. A sum of money becomes 9 times in 20 years. Find the 10 times of rate of interest.

- A. 350%  
B. 45%  
**C. 400%**  
D. 250%  
E. None of these

4. A sum becomes 6 fold at 5% per annum. At what rate, the sum becomes 12 fold?

- A. 10%  
B. 12%  
**D. 11%**  
C. 9%  
E. None of these

5. The rates of simple interest in two banks x and y are in the ratio of 10 : 8. Rajini wants to deposit her total savings in two banks in such a way that she receives equal half-yearly interest from both. She should deposit the savings in banks x and y in the ratio of

- A. 4 : 5**  
B. 3 : 5  
C. 5 : 4  
D. 2 : 1  
E. None of these

6. The simple interest accrued on an amount of Rs. 12450 at the end of 6 years is Rs. 8964. What is the rate of interest per year?

- A. 8%  
B. 14%  
**D. 12%**  
C. 10%

E. None of these

7. The simple interest on a sum of money will be Rs. 600 after 10 years. If the principal is trebled after 5 years, what will be the total interest at the end of the tenth year?

- A. Rs. 600  
B. Rs. 900  
**C. Rs. 1200**  
D. Rs. 1500  
E. None of these

8. According to a new plan rolled out by HISP Bank, the rate of simple interest on the sum of money is 8% pa for the first two years, 10% pa for the next three years and 6% pa for the period beyond the first five years. The simple interest accrued on a sum for a period of eight years is Rs. 12,800. Find the sum

- A. Rs. 24000  
B. Rs. 16000  
C. Rs. 15000  
D. Rs. 13500  
**E. None of these**

9. A certain sum of money amounts to Rs. 720 in 2 years and ₹ 870 in 4.5 years. Find the sum and the rate of interest.

- A. Rs. 600, 10%**  
B. Rs. 600, 12%  
C. Rs. 620, 12%  
D. Rs. 660, 12%  
E. None of these

10. Rs. 16000 was invested for three years, partly in scheme A at the rate of 5% simple interest per annum and partly in scheme B at the rate of 8% simple interest per annum. The total interest received at the end was Rs. 3480. What amount of money was invested in scheme A?

- A. Rs. 6000  
B. Rs. 6500  
C. Rs. 4500  
**D. Rs. 4000**  
E. Rs. 8000





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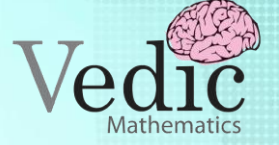
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11. Find the simple interest on Rs 3000 at 25/4% per annum for the period from 4th Feb, 2005 to 18th April, 2005.

A. Rs 45.70

B. Rs. 34.65

C. Rs 38.50

**D. Rs 37.50**

12. A sum at the simple interest at 27/2% per annum amounts to Rs 2502.50 after 4 years. find the sum?

A. Rs. 1345

**B. Rs. 1625**

C. Rs. 2502

D. Rs. 1825

13. A sum of Rs, 800 amounts to Rs. 920 in 3 years at simple interest. If the interest rate is increased by 3%, it would amount to how much?

A. Rs.652

B. Rs.752

**C. Rs.992**

D. Rs. 562

14. Geeta borrowed some money at the rate of 6% p.a. for the first two years, at the rate of 9% p.a. for the next three years, and at the rate of 14% p.a. for the period beyond five years. If she pays a total interest of Rs.11400 at the end of nine years, how much did she borrow?

A. Rs 10,000

B. Rs 11,000

**C. Rs 12,000**

D. Rs 14,000

15. A certain sum of money amounts to Rs. 1008 in 2 years and to Rs. 1164 in 7/2 years. Find the sum and the rate of interest.

A. 10%

B. 11%

C. 12%

**D. 13%**

16. At what rate percent per annum will a sum of money double in 16 years ?

**A. 6 1/4 % p.a.**

B. 2 3/5 % p.a.

C. 3 2/7 % p.a.

D. 5 3/7 % p.a.

17. What is the present worth of Rs. 132 due in 2 years at 5% simple interest per annum ?

A. Rs. 123

B. Rs. 132

**C. Rs. 120**

D. Rs. 119

18. The simple interest on Rs. 10 for 4 months at the rate of 3 paise per rupee per month is :

**A. Rs. 1.20**

B. Rs. 1.60

C. Rs. 2.40

D. Rs. 3.60

19. The simple interest on a sum of money at 8% per annum for 6 years is half the sum is:

A. Rs. 4800

B. Rs. 6000

C. Rs. 8000

**D. Data inadequate**

20. In how many years will a sum of money triple itself in 24% per annum ?

A. 6 years 9 months

B. 7 years 9 months

C. 8 years 3 months

**D. 8 years 4 months**

21. The rate at which a sum becomes four times of itself in 15 years at S.I, will be:

A. 12%

B. 15%

**C. 20%**

D. 25%

22. A sum of Rs.1550 was lent partly at 5% and 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. 8 : 5

**C. 16 : 15**

D. 31 : 6

23. A certain sum of money amounts to 5/4 of itself in 5 years. The percent p.a. is.

A. 6%

**B. 5%**

C. 4%

D. 8%

24. Out of certain sum, 1/3rd is interested at 3%, 1/6th at 6% and rest at 8%. If the simple interest for 2 years from all these investments amounts to Rs. 600. Find the original sum.

A. 4000

B. 15000

**C. 5000**

D. 4975





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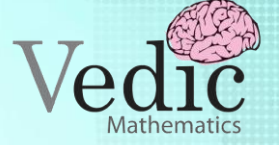
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25. Namrata deposited Rs. 8,000 which amounted 9200 after 3 years at S.I. had the interest been 2% more, she would get how much?

- A. 9480  
C. 9660  
B. 9580  
**D. 9680**

26. If x is the simple interest on y and y is the simple interest on z, the rate % and the time being the same in both cases. What is the relation between x, y and z.

- A.  $y^2 = xz$**   
C.  $yz = x^2$   
B.  $y^2 = x^2z$   
D.  $z^2 = xy$

27. A man 500 for 2 years and 300 for 3 years at the same rate simple interest and required only Rs. 190 as interest. What was the rate% p.a.?

- A. 11%  
**C. 10%**  
B. 15%  
D. 9%

28. A man borrowed Rs. 2500 from two money lenders for one loan, he paid 5% p.a. and for other, he paid 7% p.a. The total interest paid for 2 years was Rs. 265. How much did he borrow at each rate?

- A. 2155, 345  
C. 2000, 500  
**B. 2125, 375**  
D. 2100, 400

29. Pooja borrowed some money at the rate of 6% per annum for the first 3 year, at the rate of 9% per annum for the next 5 year and at the rate of 13% per annum for the period beyond 8 years. If she pays a total interest of Rs. 8160 at the end of 11 year, how much money did she borrow?

- A. 8,000**  
C. 9,300  
B. 8,500  
D. 1,024

30. A certain sum in certain time becomes Rs. 500 at the rate of 8% per annum S.I and the same sum amounts to Rs. 200 at the rate of 2% S.I in the same duration. Find the sum and time?

- A. 25 years  
C. 56 years  
**B. 50 years**  
D. 60 years

31. S.I for a sum of 1550 for 2 years rupees 20 more than the S.I for 1450 for the same duration. Find the rate of interest.

- A. 5%  
C. 15%  
**B. 10%**  
D. 24%

32. In a certain time, a sum becomes 3 times at the rate of 5% per annum. At what rate of interest the same sum becomes 6 times in same duration?

- A. 7%  
**C. 12.5%**  
B. 9%  
D. 17%

33. At what rate per cent per annum calculated in simple interest will a sum of money double in 10 year?

- A. 10%**  
C. 12.5%  
B. 12%  
D. 13.5%

34. A sum of money lent on simple interest triples itself in 15 years and 6 months. In how many years will it be doubled?

- A. 6 yr 3 months  
C. 8 yr 3 months  
**B. 7 yr 9 months**  
D. 9 yr 6 months

35. A sum of money becomes 3 times in 5 year. In how many year will be the same sum become 6 times at the same rate of simple interest?

- A. 15 year  
C. 10 year  
**B. 12.5 year**  
D. 7.5 year

36. The principal on which a simple interest of Rs. 55 will be obtained after 9 months at the rate of 11/3% per annum is

- A. Rs. 1000  
**C. Rs. 2000**  
B. Rs. 1500  
D. Rs. 2500

37. At what rate per cent per annum simple interest will a sum of money triple itself in 25 year?

- A. 8%**  
C. 10%  
B. 9%  
D. 12%







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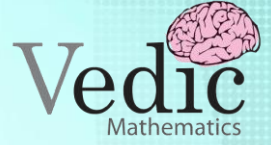
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38. If x, y, z are three such sums of money that y is the simple interest on x and z is the simple interest on y for the same time and at the same rate of interest, then we have

A.  $z^2 = xy$

B.  $xyz = 1$

C.  $x^2 = yz$

**D.  $y^2 = zx$**

39. The difference between simple interest and the true discount on Rs. 2400 due 4 years hence at 5% per annum simple interest is

A. Rs. 30

**B. Rs. 80**

C. Rs. 50

D. Rs. 70

40. A man buys a TV prices at Rs. 16000. He pays Rs. 4000 at once and the rest after 15 months on which he is charged a simple interest at the rate of 12% per year. The total amount he pays for the TV is

A. Rs. 18,200

**B. Rs. 17,800**

C. Rs. 17,200

D. Rs. 16,800

41. What would be the simple interest obtained on an amount of Rs 64,728 at the rate of 10 p.c.p.a after 7 years?

**A. Rs 45309.6**

B. Rs 39214.2

C. Rs 48077.5

D. Rs 40223.1

42. In how much time would the simple interest on a principal amount be 0.125 times the principal amount at 10% per annum?

**A. 1.25 years**

B. 3.5 years

C. 2 years

D. 1 year

43. A sum of money at a certain rate per annum of simple interest doubles in the 5 years and at a different rate become three times in 12 years. The lower rate of interest per annum is:

A. 15%

B. 20%

C. 15%

**D. 16%**

44. In how many years will a sum of money double itself at 25/4 % simple interest per annum?

A. 24 years

B. 20 years

**C. 16 years**

D. 12 years

45. If a sum of money amounts to Rs. 12900 and Rs. 14250 at the end of 4th year and 5th year respectively a certain rate of simple interest, then the rate of interest is

A. 10%

B. 12%

**C. 18%**

D. 20%

46. Simple interest on a sum after 6 years is 9/25 of the sum. The rate of interest per annum is

A. 4%

B. 5%

**C. 6%**

D. 8%

47. Two equal sums were lent out at 7% and 5% S.I. respectively. The interest earned on the two loans add up to Rs. 960 for 4 years. The total sum lent out in

A. Rs. 3500

B. Rs. 2500

**C. Rs. 2000**

D. Rs. 3000

48. The amount Rs. 2100 became Rs. 2352 in 2 years at simple interest. If the interest rate is decreased by 1%, what is the new interest?

**A. Rs. 210**

B. Rs. 220

C. Rs. 242

D. Rs. 252

49. At a certain rate of simple interest, a certain sum of money becomes double of itself in 10 years. It will become treble of itself in

A. 15 years

B. 18 years

**C. 20 years**

D. 30 years

50. A borrows Rs. 800 at the rate of 12% per annum simple interest and B borrows Rs. 910 at the rate of 10% per annum, simple interest. In how many years will their amounts of debt be equal?

A. 18 years

B. 20 years

**C. 22 years**

D. 24 years



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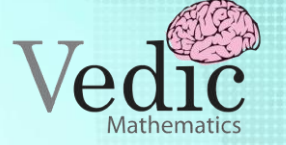
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51. A sum of Rs. 880 becomes Rs. 1557.60 in 7 years. What is the rate of interest per annum ?

- A. 9% B. 10%  
**C. 11%** D. 12%  
E. 13%

52. If the total amount of simple interest on a sum of money at the rate of 8% per annum in 4 years is Rs. 571.20, then what is the principal ?

- A. Rs. 1725 B. Rs. 1745  
C. Rs. 1765 **D. Rs. 1785**  
E. Rs. 1825

53. Pinky invested an amount of Rs. 24500 at the rate of 9% per annum. After how many years will she get a simple interest of Rs. 37485 ?

- A. 13 years B. 15 years  
**C. 17 years** D. 19 years  
E. None of these

54. What would be the simple interest accrued in four years on a principal of Rs. 18,440 at the rate of 15 pcpa ?

- A. Rs. 11,075 B. Rs. 12,250  
C. Rs. 11,500 D. Rs. 12,985  
**E. None of these**

55. What would be the simple interest obtained on a principal of Rs. 11050 after six years at the rate of 5% per annum ?

- A. Rs. 3320 **B. Rs. 3315**  
C. Rs. 3300 D. Rs. 3350  
E. None of these

56. Mr. Taneja lends a part of Rs. 20,000 at 8% SI and the remaining at  $4\frac{2}{3}\%$  SI. His total income after a year was Rs. 800. Find the sum lent at 8%.

- A. Rs. 8000** B. Rs. 18000  
C. None D. Rs. 4000  
E. Rs. 10000

57. A what rate of simple interest per annum does a person get an interest of Rs. 4706.1 on the principal amount of Rs. 11205 after 7 years ?

- A. 4% pa **B. 6% pa**  
C. 8% pa D. 12% pa  
E. 14% pa

58. At what rate of simple interest will Rs. 4,800 amount to Rs. 6,480 in a span of 7 years ?

- A. 5%** B. 6%  
C. 3% D. 4%  
E. None of these

59. The simple interest on a certain sum for 8 months at 4% per annum is Rs. 129 less than the simple interest on the same sum for 15 months at 5% per annum. What is the sum ?

- A. Rs. 2580 **B. Rs. 2400**  
C. Rs. 2529 D. Rs. 2900  
E. Rs. 3600

60. A sum of Rs. 16800 is divided into two parts. One part is lent at the simple rate of interest 6% per annum and the other at 8% per annum. After 2 years the total sum received is Rs. 19000. The sum lent at the rate of 6% simple interest is

- A. Rs. 12200** B. Rs. 12000  
C. Rs. 11000 D. Rs. 10000  
E. None of these

61. Virat has Rs. 9000. He gives this money to Mahendra on simple interest and after 4 years received the double amount. If the interest rate is 5% more than the previous, in how many years this amount will be doubled?

- A. 3 years B. 3 years  
C. 2 years **D. 3 years**  
E. None of these



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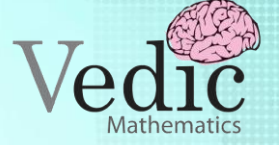
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62. Shubhranshu deposited Rs 8000 at simple interest which amounted to Rs 9200 after 3 years. Had the interest been 2% more, how much amount she would have got?

- A. Rs 1680  
B. Rs 9680  
C. Rs 9272  
D. Rs 2680  
E. None of these

63. Rajat lends Rs. 20,000 to two of his friends. He gives Rs.10,000 to the first at 15% p.a. simple interest. Rajat wants to make a profit of 20% on the whole. The simple interest rate at which he should lend the remaining sum of money to the second friend is

- A. 12%  
B. 16%  
C. 20%  
D. 25%  
E. None of these

64. The SI on certain sum of money for 23 months at the rate of 7% per annum exceeds the SI on the same sum at 7% per annum for 19 months by Rs. 672. Then find the sum

- A. Rs. 16800  
B. Rs. 28800  
C. Rs. 24400  
D. Rs. 18600  
E. None of these

65. The simple interest on a sum of money will be Rs. 500 after 10 years. If the principal is made four times after 5 years, what will be the total interest at the end of the tenth year?

- A. Rs. 650  
B. Rs. 975  
C. Rs. 1250  
D. Rs. 1500  
E. None of these

66. Ravi invested Rs. 6000 in a scheme for 3 years which promised a certain percentage of simple interest on the sum. The interest offered was 5% for the first year, 7% for the second year and 9% for the third year. What was the amount that Ravi got after 3 years?

- A. 7180  
B. 7260  
C. 7490  
D. 7630  
E. None of these

67. 12000 is divided into two amounts such that the simple interest on the first amount for 3 years at the rate 4% is equal to the simple interest on the second amount for 4 year at the rate 1%. What are the amounts?

- A. 4000, 8000  
B. 6000, 6000  
C. 3000, 9000  
D. 5000, 7000  
E. None of these

68. A sum of 6400 was subdivided into two investments schemes in such a way that one part was lent at 6% simple interest and the second part was lent at 9% simple interest. If the interest on the second part after 6 years is equal to interest on the first part after 3 years. What is the first part.

- A. 1200  
B. 1400  
C. 1800  
D. 2300  
E. 4800

69. In how many years will Rs. 12680 amounts to Rs. 35504 at a simple interest of 15% per annum?

- A. 15 years  
B. 13 years  
C. 12 years  
D. 11 years  
E. 14 years

70. Seema has Rs. 5200 and she gives some money to Sumit at 8% p.a. on simple interest for 3 years and rest money to Seeta at a 5% p.a on simple interest for 2 years. If Seema get Rs. 688 of interest find the ratio between the money of Sumit and Seeta.

- A. 20 : 7  
B. 3 : 10  
C. 5 : 4  
D. 4 : 3  
E. None of these

71. From a bank, Ram and Shyam together took a certain amount under simple interest and they lent the total amount to Mohan at 2% more simple interest. At the end of 4 years, the total money earned by Ram after paying the interest to the bank was Rs. 400 more than that of Shyam. From the bank, the total amount taken by Ram was how much more than that of Shyam?





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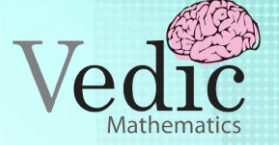
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A. Rs. 10000

B. Rs. 20000

**C. Rs. 5000**

D. Rs. 25000

E. Can't be determined

72. Aman and Raghav are two friends. Aman started a business with an investment of Rs 7200, while Raghav puts 60% of his salary at 40% p.a simple interest for 6 months; Raghav takes the amount received after 6 months and joins Aman in the business. If Aman receives a profit of Rs. 2000 out of a total profit of Rs. 2900 at the end of 1 year, what was the original salary of Raghav?

A. Rs. 18000

B. Rs. 9400

**C. Rs. 9000**

D. Rs. 15000

E. None of these

73. Deepika deposited Rs. 1000 in a fund in 2019 which provides simple interest. The interest rate on the fund increases by 3% every year. If the interest rate at the time of amount deposit was 10%, find the interest earned by her after 9 years.

A. Rs. 1880

B. Rs. 1890

C. Rs. 2980

D. Rs. 1790

**E. Rs. 1980**

74. Rayan invested a total of Rs.49000 in two different schemes A and B. The scheme A which offers interest at a rate of 5% per annum and scheme B offers interest at a rate of 12%. If the total interest earned by Rayan after 1 year is Rs.4900 then find the sum invested in scheme B.

A. Rs. 34000

B. Rs. 19000

**C. Rs. 35000**

D. Rs. 14000

E. Rs. 30000

75. The salary of a man is Rs. 60000, from which he deposits x% amount at 13% simple interest. If the accumulated amount for the sum deposited after 3 years was Rs. 29190, then find the value of 'x'.

A. 40

**B. 35**

C. 45

D. 50

E. None of these

76. Arnab deposited Rs. 14500 in SBI mutual fund which offers simple interest at the rate of 9%. The simple interest obtained from SBI is deposited in Birla Sun Life mutual fund at the rate of 12% simple interest. If the time period for depositing in SBI and Birla were 2 years and 5 years respectively, then find the total simple interest earned by Arnab.

A. Rs. 5248

B. Rs. 3856

**C. Rs. 4176**

D. Rs. 4462

E. None of these

77. The rate of interest for the first 2 years is 3% per annum, for the next 3 years is 8% per annum, and for the period beyond 5 years is 10% per annum. If the man withdraws total amount of Rs. 5320 after 6 years, find the sum he deposited?

**A. Rs. 3800**

B. Rs. 4320

C. Rs. 2380

D. Rs. 3380

E. None of these

78. Andy lends a sum of money at R% simple interest for R years such that sum received by him is 9/16 times more of what he lends. Find the value of R.

A. 5.5

B. 6.5

C. 7

**D. 7.5**

E. None of these

79. Sanjay borrowed certain amount of money at simple interest at the rate of 5% p.a. for the first three years, 10% p.a. for the next five years and 12% p.a. for the period beyond 8 years. If the total interest paid by him at the end of 12 years is Rs. 6780, how much money did he borrow?

**A. Rs. 6000**

B. Rs. 5000

C. Rs. 4500

D. Rs. 5500

E. Rs. 3840





80. A certain sum 10M Invested at simple Interest becomes 130M in 30 years. If the same amount invested with same rate of Interest but at Compound Interest, it will become \_\_\_\_\_ after two years?

A. 14.4 M

**B. 19.6 M**

C. 23.2 M

D. 16.9 M

E. None of these

