



MATHS

BOOKS - UNITED BOOK HOUSE

Simple Interest

Exercise

1. Multiple Choice Questions (MCQ) If a principal becomes twice of its amount in 10

years, then the rate of simple interest per annum is

A. 0.05

B. 0.065

C. 0.1

D. 0.12

Answer:



Watch Video Solution

2. If the ratio of the principal and amount (principal + interest) is 20 : 21, then the rate of interest per annum is

A. 0.05

B. 0.055

C. 0.06

D. 0.065

Answer:



Watch Video Solution

3. If the total interest becomes ₹ a for any principal having the rate of simple interest of $a\%$ per annum for a years, then the principal will be

A. ₹ $100a$

B. ₹ $100/a$

C. ₹ $a/100$

D. ₹ $\frac{100}{a^2}$

Answer:



Watch Video Solution

4. A sum fetched a total simple interest of ₹ 4016.25 at the rate of 9% Per annum in 5 years. The sum is

A. ₹ 8952

B. ₹ 8295

C. ₹ 8925

D. ₹ 9825.

Answer:



Watch Video Solution

5. The total interest of a principal in n years at the rate of simple interest of $r\%$ per. Annum is $\frac{pnr}{25}$, then the principal will be

A. $\frac{p}{4}$

B. $\frac{p}{2}$

C. $2p$

D. $4p$.

Answer:



Watch Video Solution

6. In how many years the interest of a principal at 8% simple interest will be $\frac{2}{7}$ th of its amount?

A. 4years

B. $4\frac{1}{2}$ years

C. 5years

D. $6\frac{2}{3}$ years.

Answer:



Watch Video Solution

7. A principal becomes twice its amount in 20 years at a certain rate of simple interest. At the same rate of simple interest, that principal becomes thrice of its amount in

A. 30 years

B. 35 years

C. 40 years

D. 45 years.

Answer:



Watch Video Solution

8. If the simple interest of ₹ 750 in 3 months be ₹ 22.50, then the rate of interest in percent per annum is

A. 0.12

B. 0.15

C. 0.18

D. 0.2

Answer:



Watch Video Solution

9. A sum of money at simple interest amounts to ₹ 815 in 3years and to ₹ 854 in 4years. The sum is

A. ₹ 598

B. ₹ 698

C. ₹ 689

D. none of these.

Answer:



Watch Video Solution

10. In how many years ₹ 350 will become ₹ 420 at a rate of 5% simple interest per annum?

A. 4 years

B. 6 years

C. 2 years

D. 3 years.

Answer:



Watch Video Solution

11. A sum of money amounts of ₹ 9800 after 5 years and ₹ 12005 after 8 years at the same rate of simple interest. The rate of interest per annum is _____

A. 0.08

B. 0.15

C. 0.05

D. 12%.

Answer:



Watch Video Solution

12. Mr. Thomas invested an amount of ₹ 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be ₹. 3508, what was the amount invested in scheme B?

A. ₹ 7200

B. ₹ 7500

C. ₹ 6400

D. ₹ 6500

Answer:



Watch Video Solution

13. Reena took a loan of ₹. 1200 with simple interest as many years as the rate of interest.

If the paid ₹. 432 as interest at the end of the loan period, what the rate of interest?

A. 0.06

B. 3.6

C. 18

D. None of these (N.O.T)

Answer:



Watch Video Solution

14. 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. 0.1

B. 0.1025

C. 0.105

D. N.O.T

Answer:



Watch Video Solution

15. The simple interest on a certain sum at 5% per annum for 3 years and 4 years differ by ₹

42. The sum is _____

A. ₹ 210

B. ₹ 280

C. ₹ 750

D. ₹ 840

Answer:



Watch Video Solution

16. The simple interest on ₹ 7300 from 11 may, 1987 to 10 sep, 1987 (both days included) at 5% per annum is ____

A. ₹ 123

B. ₹ 103

C. ₹ 200

D. ₹ 223

Answer:



Watch Video Solution

17. With a given rate of simple interest, the ratio of principal and amount for a certain period of time is 4 : 5. After 3 years, with same rate of interest, the ratio of the principal and amount becomes 5 : 7. The rate of interest is_____

A. 0.04

B. 0.05

C. 0.06

D. 0.07

Answer:



Watch Video Solution

18. If the ratio of the principal and amount (principal + interest) is 20 : 21, then the rate of interest per annum is

A. 0.12

B. 0.16

C. 0.18

D. 0.2

Answer:



Watch Video Solution

19. In how many years will a sum of money double itself at 12% per annum?

A. 8 years 6 months

B. 6 years 9 months

C. 8 years 4 months

D. 7 years 6 months

Answer:



Watch Video Solution

20. If x, y, z are three sum of money such that y is the simple interest on x and z is the simple

interest on y for the same time and at same rate of interest, then we have ____

A. $z^2 = xy$

B. $xyz = 1$

C. $x^2 = yz$

D. $y^2 = zx$

Answer:



Watch Video Solution

21. The simple interest on a sum of money is $\frac{1}{9}$ of the principal and the number of years is equal to rate percent per annum. The rate per annum is ___

A. 0.03

B. $\frac{1}{3}\%$

C. 0.0333333333333333

D. $\frac{3}{10}\%$

Answer:



Watch Video Solution

22. A sum was lent at simple interest at a certain rate for 2 years. Had it been lent at 3% higher rate, it would have fetched ₹ 300 more.

The original sum of money was _____

A. ₹ 5000

B. ₹ 6000

C. ₹ 7000

D. ₹ 8000

Answer:



Watch Video Solution

23. A man loses ₹ 55.50 yearly when the annual rate of interest falls from 11.5% to 10%. His capital is _____

A. ₹ 3700

B. ₹ 7400

C. ₹ 8325

D. ₹ 11100

Answer:



Watch Video Solution

24. A sum of money at simple interest triple itself in 15 years. It will become 5 times of itself in ____

A. 40 years

B. 36 years

C. 30 years

D. 25 years

Answer:



Watch Video Solution

25. What is the present worth of ₹ 132 due in 2 years at 5% simple interest per annum ___

A. 120

B. 140

C. 130

D. 111

Answer:



Watch Video Solution

26. ₹ 800 becomes ₹ 956 in 3 years at a certain rate of simple interest. If the rate of interest is increased by 4%, what amount will ₹ 800 become in 3 years_____

A. ₹ 1252

B. ₹ 1152

C. ₹1052

D. ₹1352

Answer:



Watch Video Solution

27. If a sum of money doubles itself in 8 years at simple interest, the rate percent per annum is _____

A. 12.5

B. 13

C. 12

D. 13.5

Answer:



Watch Video Solution

28. If A lends ₹ 3500 to B at 10% p.a. and B lends the same sum of C at 11.5% p.a., then the gain of B (in ₹) in 3 years is _____

A. 155.5

B. 156.5

C. 154.5

D. 157.5

Answer:



Watch Video Solution

29. Find the simple interest on ₹ 7000 at $50\frac{1}{3}\%$ for 9 months_____

A. ₹ 1075

B. ₹ 975

C. ₹ 875

D. ₹ 157.50

Answer:



Watch Video Solution

30. Find the simple interest on the ₹ 2000 at $25/4\%$ per annum for the period of 4th Feb 2005 to 18th Apeil 2005_____

A. ₹ 40

B. ₹ 35

C. ₹ 25

D. ₹ 30

Answer:



Watch Video Solution