



MATHS

BOOKS - RD SHARMA MATHS (ENGLISH)

SIMPLE INTEREST



1. A sum of Rs 800 is lent for one year at the rate of 18% per annum. Find the interest.



3. Anita borrowed Rs 400 from her friend at the rate of 12% per annum for $2\frac{1}{2}$ years. Find the interest and amount paid by her.

4. A farmer borrowed Rs 2400 at 12% interest per annum. At the end of $2\frac{1}{2}$ years, he cleared his account by paying Rs 1200 and a cow. Find the cost of the cow.

5. Find the interest on Rs 1200 at 6% per annum for 146 days.

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6. Fatima donates Rs 2000 to a school, the interest on which is to be used for awarding 5 scholarships of equal value every year. If the donator earns an interest of 10% per annum, find the value of each scholarship.



7. What principal will amount to Rs 900 in 6

years at 10% simple interest?

8. In how many years will Rs 750 amount to Rs

900 at 4% per annum?

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9. A sum of money doubles itself in 8 years.

What is the rate of interest?

10. Rishi deposited Rs 20000 in a financial institution on 28th March, 2000 and closes his account on 21st August, 2000. If the institution pays an interest of 9% per annum, what amount does Rishi get?

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11. Find the simple interest on Rs 1000 for 6 months at the rate of 5 paise per rupee per month.



12. Find the simple interest, when:

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(i) Principal= Rs 2000, Rate of Interest= 5% per
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annum and Time =5 years.

(ii) Principal= Rs 500, Rate of Interest= 12.5%

per annum and Time =4 years.

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13. Find the simple interest, when: (i) Principal=

Rs 4500, Rate of Interest= 4% per annum and

Time =6 months. (ii) Principal= Rs 12000, Rate of Interest= 18% per annum and Time =4 months. (iii) Principal= Rs 1000, Rate of Interest= 10% per annum and Time =73 days.



14. Find the interest on Rs. 500 for a period of

4 years at the rate of 8% per annum. Also, find

the amount to be paid at the end of the period.

15. A sum of Rs. 400 is lent at the rate of 5% per annum. Find the interest at the end of 2 years.

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16. A sum of Rs. 400 is lent for 3 years at the

rate of 6% per annum. Find the interest.

17. A person deposits Rs. 25000 in a firm who pays an interest at the rate of 20% per annum.Calculate the income he gets from it annually.

18. A man borrowed Rs. 8000 from a bank at 8% per annum. Find the amount he has to pay after $4\frac{1}{2}$ years.

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19. Rakesh lent out Rs. 8000 for 5 years at 15% per annum and borrowed Rs. 6000 for 3 years at 12% per annum. How much did he gain or lose?

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20. Anita deposits Rs. 1000 in a savings bank account. The bank pays interest at the rate of 5% per annum. What amount can Anita get after 1 year?



21. Nalini borrowed Rs. 550 from her friend at

8% per annum. She returned the amount after

six months. How much did she pay?

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22. Rohit borrowed Rs. 60000 from a bank at 9% per annum for 2 years. He lent this sum of money to Rohan at 10% per annum for 2 years.

How much did Rohit earn from this

transaction?

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23. Romesh borrowed Rs. 2000 at 2% per annum and Rs. 1000 at 5% per annum. He cleared his debt after 2 years by giving Rs. 2800 and a watch. What is the cost of watch?

24. Mr.Garg lent Rs. 15000 to his friend. He charged 15% per annum on Rs. 12500 and 18% on the rest. How much interest does he earn in 3 years?

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25. Shikha deposited Rs. 2000 in a bank which pays 6% simple interest. She withdrew Rs. 700 at the end of first year. What will be her balance after 3 years?



26. Reema took a loan of Rs. 8000 from a money lender, who charged interest at the rate of 18% per annum. After 2 years, Reema paid him Rs. 10400 and wrist watch to clear the debt. What is the price of the watch?

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27. Mr. Sharma deposited Rs. 20000 as a fixed deposit in a bank at 10% per annum. If 30% is

deducted as income tax on the interest earned, find his annual income.



28. If the simple interest on a certain sum for 2

years at the rate of 5% per annum is Rs 4000,

then the sum is

(a) Rs 46,000

(b) Rs 44,000

(c) Rs 40,000

(d) Rs 48,000





29. In how many years will a certain sum become 3 times itself at 25% per annum under simple interest?

- (a) 5
- (b) 8
- (c) 12
- (d) 6

30. The amount of Rs 25,000 at 8% per annum

for 6 years under simple interest is

(a) Rs 35,000

(b) Rs 37,000

(c) Rs 45,000

(d) Rs 47,000

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31. The simple interest for Rs 1500 at 8% per annum for 3 years is

(a) Rs 400

(b) Rs 360

(c) Rs 450

(d) Rs 500



32. The difference between the interest obtained for Rs 1000 at 12% per annum for 3 years and that for Rs 1500 at 8% per annum for $1\frac{1}{2}$ years is (a) Rs 360 (b) Rs 300 (c) Rs 180 (d) Rs 200



33. Which of the following yields maximum interest for 2 years? (a) Rs 1500 at 8% per annum (b) Rs 1000 at 11% per annum (c) Rs 2000 at 5% per annum (d) Rs 900 at 20% per annum

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34. If a sum of Rs 3000 is lent out at 3% per annum for 20 years under simple interest,

then the amount at the end of 20th year is (a)

Rs 1800 (b) Rs 1080 (c) Rs 3600 (d) Rs 4800



35. If a sum of Rs 2000 is lent out at 2% per

annum for 10 years under simple interest, then

the amount is

(a) Rs 1400

(b) Rs 2400

(c) Rs 200

(d) Rs 1500





36. If interest on Rs x for 2 years at R% per annum is Rs 80, then interest on Rs 2x for one year at R% per annum is

(a) Rs 160

(b) Rs 40

(c) Rs 80

(d) Rs 120

37. At simple interest a sum becomes $\frac{49}{40}$ of itself in $2\frac{1}{2}$ years. The rate of interest per annum is (a) 7%

(c) 12%

(d) 9%

38. At what rate percent per annum simple interest will a sum double itself in 10 years? (a) 8% (b) 10% (c) 12% (d) $12\frac{1}{2}$ %

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39. In what time will a sum of Rs 8000 amount to Rs 8360 at 6% per annum simple interest?

(a) 8 months

(b) 9 months

(c)
$$1\frac{1}{4}$$
 months
(d) $1\frac{1}{2}$ years



40. a,b and c are the three sums of money such that b is the simple interest on a and c is the simple interest on b for the same time and same rate. Which is the following is correct? (a) abc=1 (b) $c^2=ab$ (c) $b^2=ac$ (d) $a^2=bc$





41. The simple interest at R% per annum for n

years will be Rs R on a sum of

(a) Rs n

(b) Rs 100 n

(c)
$$Rs \frac{100}{n}$$

(d) $Rs \frac{100}{n^2}$

42. The simple interest on a certain sum is $\frac{16}{25}$ of the sum. If the rate percent annum and the time are numerically equal, then the rate percent is

(a) 8%

(b) 4%

(c) 6%

(d) 12%



43. At which rate percent per annum simple interest will a sum triple itself in 16 years?(a) 12%

(b) 10.5%

(c) 11.5%

(d) 12.5%