MATHS

BOOKS - NAVNEET PUBLICATION

DISCOUNT AND COMMISSION

Question Bank

1. The marked price of a book is ₹ 75. It is sold at a discount of 12% . Find the discount given on the book and its selling price.

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2. shopkeeper marks his goods 25% above the cost price. He then allows 16% discount for selling the goods. What per cent does he really make ?

3. If the marked price = ₹ 1700, selling price = ₹ 1540, then find the discount.

4. If the marked price = ₹ 990 and the percentage of discount is 10, then find the selling price.

5. If the selling price = ₹ 900, discount 20% , then find the marked price.

6. The marked price of the fan is ₹ 3000. Shopkeeper gave 12% discount on it. Find the discount and the selling price of the fan.

7. The marked price of a mixer is ₹ 2300. A customer purchased it for ₹ 1955. Find the percentage of discount offered to the customer.

8. A shopkeeper gives 11% discount on a television set, hence a customer gets it for ₹ 22,250. Find the marked price of the television set.

9. After offering a discount of 10% on marked price, a customer gets total discount of ₹ 17. To find the cost price for the customer, fill in the following boxes with appropriate numbers and complete the activity.

10. A shopkeeper decides to sell a certain item at a certain price. He tags the price on the item by increasing the decided price by 25% . While selling the item, he offers 20% discount. Find how many more or less per cent he gets on the decided price.

11. John sold books worth ₹ 4500 for a publisher. For this he received 15% commission. Complete the following activity to find the total commission John obtained.

12. Rafique sold flowers worth ₹ 15,000 by giving 4% commission to the agent. Find the commission he paid. Find the amount received by Raflque.

13. A farmer sold foodgrains for ₹ 9200 through an agent. The rate of commission was 2%. How much amount did the agent get ?

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14. Use the given information and fill in the boxes with suitable numbers. Smt Deepanjali purchased a house for ₹ 7,50,000 from Smt Leelaben through an agent. Agent charged 2% brokerage from both of them. Smt Leelaben paid brokerage of ₹ 15000

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15. Use the given information and fill in the boxes with suitable numbers. Smt Deepanjali purchased a house for ₹ 7,50,000 from Smt Leelaben through an agent. Agent charged 2 % brokerage from both of them.

Total brokerage received by the ₹ 30000

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16. Use the given information and fill in the boxes with suitable numbers. Smt Deepanjali purchased a house for ₹ 7,50,000 from Smt Leelaben through an agent. Agent charged 2 % brokerage from both of them.

The cost of house Smt Deepanjali paid is ₹ 765000

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17. Use the given information and fill in the boxes with suitable numbers. Smt Deepanjali purchased a house for ₹ 7,50,000 from Smt Leelaben through an agent. Agent charged 2% brokerage from both of them.

The selling price of house Leelaben is ₹ 735000

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18. Choose the correct alternative answer for each of the following questions :

On what is the discount an article offered ?

A. Purchase price

B. Printed price

C. Selling price

D. Cost price

Answer: B

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19. Choose the correct alternative answer for each of the following questions :

What is the discount at $15\,\%$ on marked price ₹ 500 ?

A. ₹ 75

B. ₹ 15

C. ₹ 150

D. ₹ 425

Answer: A

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20. Choose the correct alternative answer for each of the following questions :

What is the selling price of an article, if 8% discount is given on the marked price ₹ 1200 ?

A. ₹ 1296

B. ₹ 1192

C. ₹ 1208

D. ₹ 1104

Answer: D

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21. Choose the correct alternative answer for each of

the following questions :

The marked price of an article is ₹ 1400. If it is sold for

₹ 1120, what is the percentage of discount ?

A. 280

B. 28

C. 20

D. 25

Answer: C

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22. Choose the correct alternative answer for each of the following questions :

On purchase of Khadi cloth worth ₹ 800, 12.5 % rebate is given. What is the amount of rebate ?

A. ₹ 100

B. ₹ 12.50

C. ₹ 700

D. ₹ 96

Answer:

23. Choose the correct alternative answer for each of

the following questions :

A shopkeeper sold a TV set for ₹ 11,500 after allowing

8 % discount. What is the marked price of TV set ?

A. ₹ 12,000

B. ₹ 12,500

C. ₹ 10,500

D. ₹ 13,000

Answer:

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24. Choose the correct alternative answer for each of the following questions :

A farmer sold wheat for ₹ 40,600 through an agent. The commission was paid at the rate of 1.5% . What commission did the agent get ?

A. ₹ 690

B. ₹ 960

C. ₹ 906

D. ₹ 609

Answer:

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25. Choose the correct alternative answer for each of

the following questions :

Sudhatai purchased articles from Khadi Gramodyog

Bhandar costing ₹ 725. She received a rebate of $12\,\%$.

How much amount did Sudhatai pay ?

A. ₹ 713

B. ₹ 87

C. ₹ 638

D. ₹ 647

Answer:

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26. Find the values :

2 per cent of 3000

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27. Find the values :

$60\,\%$ of 1610

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28. Find the values :

12.5 per cent of 400

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29. Find the values :

$6.5\,\%$ of 11400

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30. Write the appropriate numbers in the blanks from the information given :

Article	Marked price ₹	Discount %	Discount ₹	Selling price ₹
A	250	12		
B	4800	6		
C	1800		180	
D		15		136

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31. The marked price of a bicycle is ₹ 5000. The shopkeeper gave 5% discount. Find the discount. How much a customer has to pay to buy the bicycle ?

32. Ravindra bought a used motorcycle through an agent. The motorcycle was priced at ₹ 35,000 and the commission was paid at 2.5%. What did the motorcycle cost him?

33. The marked price of a fan is ₹ 2000. During off season a discount is given and it is sold for ₹ 1750. Find the rate of discount.

34. Sheshrao purchased 2 bed sheets for ₹ 350 each and 6 handkerchiefs for ₹ 25 each and paid ₹ 748. Find the amount of rebate and the percentage of rebate

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35. Mr Pant purchased the following articles from Handicraft Emporium. Find the total amount of rebate and the amount he paid. The percentage of rebate is given in the brackets. 2 flower pots for ₹ 140 each $[15\,\%\,]$ 5 idols for ₹ 220 each $[12\,\%\,]$

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36. Rajiv sold 2.5 ton groundnut (export quality) through an agent. The commission was paid at the rate of 1%. Rajiv received ₹ 2,37,600. Find the selling price of groundnut per ton.

37. Choose the correct alternative answer for each of the following questions :

$\square PQRS, m\angle P = m\angle R = 108°, m\angle Q = m\angle S = 72°$

State which pair of sides of those given below is parallel.

A. side PQ and side QR

B. side PQ and side SR

C. side SR and side SP

D. side PS and side PQ

Answer: B

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38. Read the following statements and choose the correct alternative from those given below them.

Diagonals of a rectangle are perpen-, dicular bisectors of each other.

Diagonals of a rhombus are perpendic lar bisectors of each other.

Diagonals of a parallelogram are per- pendicular bisectors of each other.

Diagonals of a kite bisect each other.

A. Statement (ii) and (iii) are true.

B. Only statement (ii) is true.

C. Statements (ii) and (iv) are true.

D. Statements (i), (iii) and (iv) are true.

Answer: B

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39. $19^3 = 6859$ find $\sqrt[3]{0.006859}$

A. 1.9

B. 19

C. 0.019

D. 0.19

Answer: D

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40. Find the cube roots of the following numbers :

5832

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41. Find the cube roots of the following numbers :

4096

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42. $m\alpha n$, n = 15 when m = 25. Hence, find

n when M = 87

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43. $m\alpha n$, n = 15 when m = 25. Hence, find

n when m = 155

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44. y varies inversely with x. If y = 30 when x = 12 find

y when x = 15

45. y varies inversely with x. If y = 30 when x = 12, find

x when y = 18

46. Draw a line I. Draw a line parallel to line I at a

distance of 3.5 cm.

47. Fill in the blanks in the following statement:

The number $(2256)^{\frac{5}{7}}$ is.....root of .....power of.....

48. Expand :

$(5x - 7)(5x - 9)$

49. Expand :

$$(2x - 3y)^3$$

50. Expand :

$$\left(a + \frac{1}{2}\right)^3$$

51. Draw an obtuse angled triangle. Draw all of its medians and show their point of concurrence

52. Draw $\triangle$ ABC such that l (BC) = 5.5 cm, $m\angle ABC = 90°$, l (AB) = 4 cm, Show the orthocentre of the triangle.

53. Identify the variation and solve : It takes 5 hours to travel from one town to the other, if the speed of the bus is 48 km/h. If the speed of the bus is reduced by 8 km/h, how much time will it take for the same travel ?

54. Seg AD and seg BE are medians of △ ABC and point G is centroid. If l (AG) = 5 cm, find l (GD). If l (GE) = 2 cm, find l (BE).

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55. Convert the following rational numbers into decimal form:

$$\frac{8}{13}$$

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56. Convert the following rational numbers into decimal form:

$$\frac{11}{7}$$

57. Convert the following rational numbers into decimal form:

$$\frac{5}{16}$$

58. Convert the following rational numbers into decimal form:

$$\frac{7}{9}$$

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59. Factorise :

$$2y^2 - 11y + 5$$

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60. Factorise :

$$x^2 - 2x - 80$$

61. Factorise :

$$3x^2 - 4x + 1$$

62. The marked price of a TV set is ₹ 50,000. The shopkeeper sold it at 15% discount. Find the price of it for the customer
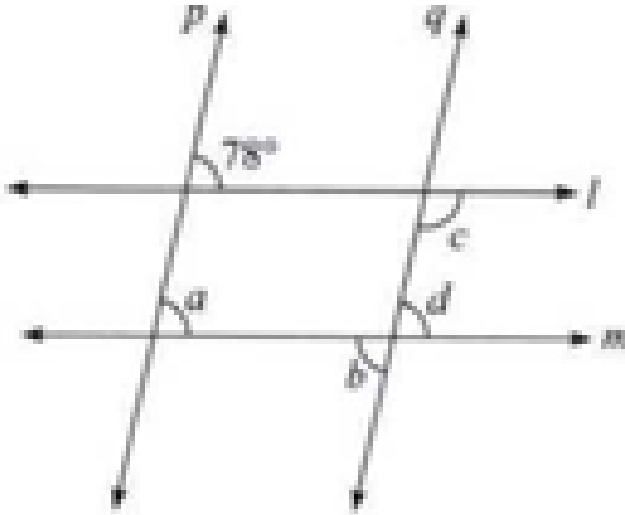
63. Rajabhau sold his flat to Vasantrao for ₹ 88,00,000 through an agent. The agent charged 2% commission for both of them. Find how much commission the agent got.

64. Draw a parallelogram ABCD such that l (DC) = 5.5 cm, $m\angle D = 45°$ l (AD) = 4 cm,

65. In the figure, line l || line m and line p || line q. Find

the measures of $\angle a$, $\angle b$, $\angle c$ and $\angle d$.