Topic : Percentage & Profit & Loss question Bank
Deadline: Monday 10th March

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1. What is 25% of 200?

    a) 25

    b) 50\

    c) 75\

    d) 100

    Ans:

2. If 40% of a number is 80, what is the number?

    a) 100\

    b) 150\

    c) 200\

    d) 250

3. 75% of a number is 150. What is the number?

    a) 175

    b) 200

    c) 225\

    d) 250

4. What is 15% of 120?

    a) 12\

    b) 15\

    c) 18\

    d) 20

5. If 30% of a number is 90, then the number is:\

    a) 200\

    b) 250\

c) 300\

d) 350

6. The price of a product increases from ₹200 to ₹250. What is the percentage increase?\

   a) 20%\

   b) 25%\

   c) 30%\

   d) 35%

7. A salary increases from ₹40,000 to ₹50,000. What is the percentage increase?\

   a) 20%\

   b) 25%\

   c) 30%\

   d) 35%

8. The population of a town decreased from 10,000 to 8,000. What is the percentage decrease?\

   a) 10%\

   b) 15%\

   c) 20%\

   d) 25%

9. A book's price drops from ₹500 to ₹400. What is the percentage decrease?\

   a) 10%\

   b) 15%\

   c) 20%\

   d) 25%

10. If the cost price of an item is ₹600 and the selling price is ₹450, what is the percentage loss?\

   a) 20%\

   b) 22.5%\

   c) 25%\

d) 30%

1. ### **Section 3: Percentage Comparison**

11. Which is greater: 30% of 400 or 40% of 300?\
    a) 30% of 400\
    b) 40% of 300\
    c) Both are equal\
    d) Cannot be determined

12. A person spends 60% of his income and saves ₹8,000. What is his total income?\
    a) ₹15,000\
    b) ₹18,000\
    c) ₹20,000\
    d) ₹25,000

13. If A is 20% more than B, then B is how much less than A?\
    a) 20%\
    b) 16.67%\
    c) 25%\
    d) 10%

14. If the price of sugar is increased by 25%, by how much should the consumption be reduced to maintain the same expense?\
    a) 20%\
    b) 25%\
    c) 30%\
    d) 15%

15. If A's income is 40% more than B's income, then B's income is what percentage less than A's?\
    a) 28.57%\
    b) 30%\

c) 33.33%\
d) 40%

16. The price of an item is increased by 20% and then decreased by 10%. What is the net percentage change?\

    a) 8% increase\
    b) 8% decrease\
    c) 10% increase\
    d) 10% decrease

17. A number is increased by 30% and then decreased by 20%. What is the final percentage change?\

    a) 4% increase\
    b) 8% increase\
    c) 10% increase\
    d) 12% increase

18. If the population of a city increases by 25% and then decreases by 20%, what is the net percentage change?\

    a) 0%\
    b) 5% increase\
    c) 10% decrease\
    d) 5% decrease

19. If a price increases by 40% and then decreases by 30%, the final change is:\

    a) 2% increase\
    b) 10% increase\
    c) 10% decrease\
    d) 2% decrease

20. The salary of a person is first increased by 20% and then decreased by 10%. What is the overall percentage change?\

    a) 8% increase\

b) 10% increase\

c) 10% decrease\

d) No change

21. If an article is sold at a profit of 25%, then the selling price is what percentage of the cost price?\

   a) 100%\

   b) 125%\

   c) 150%\

   d) 175%

22. A shopkeeper allows a discount of 10% on the marked price and still makes a profit of 8%. If the marked price is ₹500, what is the cost price?\

   a) ₹400\

   b) ₹420\   -> exact ans =416

   c) ₹450\

   d) ₹460

23. If the profit is 20% of the cost price, then what is the profit percentage on the selling price?

   a) 16.67%\

   b) 18%\

   c) 20%\

   d) 22%

24. A product is marked at ₹1,200 and sold for ₹960. What is the percentage discount given?

   a) 15%\

   b) 20%\

   c) 25%\

   d) 30%

25. If an article is bought for ₹500 and sold for ₹650, what is the percentage profit?

   a) 20%\

b) 25%\
c) 30%\
d) 35%

26. .If A's income is 20% more than B's, then B's income is what percentage less than A's?

a) 16.67%
b) 18%
c) 20%
d) 25%

27. If the ratio of boys to girls in a school is 3:2, what percentage of the total students are boys?

e) 30%
f) 40%
g) 50%
h) 60%

28 A city's population increased from 2,00,000 to 2,50,000 in 2 years. What is the percentage increase?

a. 20%
b. 25%
c. 30%
d. 35%

29 In an election, a candidate gets 65% of the total votes and wins by 3000 votes. How many total votes were cast?

a. 5000
b. 6000
c. 8000
d. 9000
e. 1000 -exact ans not in option

30 The price of an article is reduced by 30%. By what percentage must the new price be increased to restore the original price?

   a. 30%

   b. 42.85%

   c. 50%

   d. 60%

31 If a number is increased by 50% and then decreased by 50%, what is the net percentage change?

   a. 0%

   b. 25% decrease

   c. 50% decrease

   d. 75% decrease

32 If A is 20% taller than B, then B is shorter than A by:

   a. 16.67%

   b. 18%

   c. 20%

   d. 25%

33 If 30% of a number is 90, what is 60% of the same number?

   a. 120

   b. 150

   c. 180

   d. 200

34 A person spends 75% of his income and saves ₹5000. What is his total income?

   a. ₹15,000

   b. ₹18,000

   c. ₹20,000

   d. ₹25,000

35 The price of petrol increases by 20%. By what percentage should consumption be reduced to maintain the same expense?

    a. 16.67%

    b. 18%

    c. 20%

    d. 25%

36 The price of a TV was first increased by 20% and then decreased by 10%. What is the overall percentage change?

    a. 8% increase

    b. 10% increase

    c. 10% decrease

    d. No change

37 A shopkeeper marks an item 25% above the cost price and gives a 20% discount. What is his profit/loss percentage?

    a. 0%

    b. 2% profit

    c. 5% profit

    d. 10% loss

38 If the cost price of an article is ₹500 and it is sold at a loss of 20%, what is the selling price?

    a. ₹350

    b. ₹375

    c. ₹400

    d. ₹450

39 If a salary is increased by 10% and then decreased by 10%, what is the final percentage change?

    a. 0%

    b. 1% decrease

    c. 1% increase

d.   2% decrease

40   A student needs 40% marks to pass. He gets 200 marks and fails by 20 marks. What are the total marks?

        a.   500

        b.   550

        c.   600

        d.   650

41   A man spends 20% of his salary on rent, 30% on food, and 10% on transport. If he saves ₹18,000, what is his salary?

        a.   ₹40,000

        b.   ₹45,000

        c.   ₹50,000

        d.   ₹55,000

42   The cost of an item is first increased by 30% and then decreased by 30%. What is the overall percentage change?

        a.   0%

        b.   9% decrease

        c.   9% increase

        d.   15% decrease

43) The population of a town increases by 10% every year. If the current population is 10,000, what will it be after 3 years?
a) 13,310
b) 13,500
c) 14,000
d) 14,200

44) If 15% of A is equal to 20% of B, then A:B is:

a) 3:4
b) 4:3
c) 3:5
d) 5:3

45) If the cost price of an item is ₹800 and the profit made is 25%, what is the selling price?

a) ₹900

b) ₹1000
c) ₹1050
d) ₹1100

46) If the cost price (CP) of an item is ₹200 and the selling price (SP) is ₹250, what is the profit percentage?
a) 20%
b) 25%
c) 30%
d) 40%

47) A man sells an article for ₹720 at a profit of 20%. Find the cost price.
a) ₹600
b) ₹620
c) ₹650
d) ₹700

48) A shopkeeper sells an item at a loss of 15%. If the cost price is ₹500, find the selling price.
a) ₹400
b) ₹425
c) ₹450
d) ₹475

49) A man purchased a cycle for ₹1500 and sold it at a loss of 10%. What was the selling price?
a) ₹1200
b) ₹1300
c) ₹1350
d) ₹1400

50) A trader marks his goods at 30% above the cost price and allows a discount of 10%. What is his gain percent?
a) 17%
b) 18%
c) 19%
d) 20%