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 :- b) 50

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

   a) 100\

   b) 150\

   c) 200\

   d) 250

Ans :- c) 200

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

   a) 175

   b) 200

   c) 225\

   d) 250

Ans :- b) 200

4. What is 15% of 120?

   a) 12\

   b) 15\

   c) 18\

   d) 20

 Ans :- c) 18

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

   a) 200\

   b) 250\

   c) 300\

   d) 350

Ans :- 300

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

    a) 20%\
    b) 25%\
    c) 30%\
    d) 35%

Ans :- b) 25%

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

    a) 20%\
    b) 25%\
    c) 30%\
    d) 35%

Ans :- b) 25%

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%

Ans :- c) 20%

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

    a) 10%\
    b) 15%\
    c) 20%\
    d) 25%

Ans :- c) 20%

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%

Ans :- c) 25%

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

Ans :- c) Both are equal

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

Ans :- c) 20,000

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%

Ans :- b) 16.67%

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%

Ans :- a) 20%

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%

Ans ;- a) 28.57%

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

Ans :- 8% increase

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

Ans :- a) 4% 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

Ans :- a) 0%

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

Ans :- 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

Ans :- a) 8% increase

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%

Ans :- b) 125%

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\

    c) ₹450\

    d) ₹460

Ans :- b) 420

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%

Ans :- a) 16.67%

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%

Ans :- b) 20%

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%

Ans :- c) 30%

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%

Ans :- a) 16.67%

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%

Ans :- 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%

Ans :- b) 25%

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

Ans :- d) 9000

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%

Ans :- b) 42.85%

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

Ans :- b) 25% 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%

Ans :- a)16.67%

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

    a. 120

    b. 150

    c. 180

    d. 200

Ans :- c) 180

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

Ans :- c) ₹20,000

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

Ans :- a) 8% decrease

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

Ans :- a) 0%

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

Ans :- c) ₹400

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

Ans :- b) 1% 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

Ans :- b) 550

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

Ans :- b) ₹45,000

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

Ans :- b) 9% 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
Ans :- a) 13,310

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
Ans :- b) 4:3

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
Ans :- b) ₹1000

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%
Ans :- b) 25%

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
Ans :- a) 600

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
Ans :- b) ₹425

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
Ans :- c) ₹1350

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%
Ans ;- a) 17%