Topic : Percentage & Profit & Loss question Bank

Deadline: Monday 10th March

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1.   What is 25% of 200?

25

50

75\

100

Ans: 50

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

100\

150\

200\

250
Ans: 200

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

175

200

225\

250
Ans: 200

4.   What is 15% of 120?

12\

15\

18\

20
Ans: 18

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

200\

250\

300\

350
Ans: 300

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

20%\

25%\   Right

30%\

35%

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

20%\

25%\

30%\

35%
Ans: 25%

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

10%\

15%\

20%\

25%

Ans: 20%

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

10%\

15%\

20%\

25%

Ans: 20%

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

20%\

22.5%\

25%\

30%

Ans: 25%

Section 3: Percentage Comparison

11. **Which is greater: 30% of 400 or 40% of 300?**\
30% of 400\

40% of 300\

Both are equal\

Cannot be determined

Ans: Both are equal

12. **A person spends 60% of his income and saves ₹8,000. What is his total income?**\
₹15,000\

₹18,000\

₹20,000\ Right

₹25,000

Ans: ₹20,000

13. **If A is 20% more than B, then B is how much less than A?**\
20%\

16.67%\

25%\

10%

Ans: 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?**\

20%\

25%\

30%\

15%

Ans: 20%

15. **If A's income is 40% more than B's income, then B's income is what percentage less than A's?**

28.57%\

30%\

33.33%\

40%

Ans: 28.57%

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

8% increase\

8% decrease\

10% increase\

10% decrease

Ans: 8% increase

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

4% increase\

8% increase\

10% increase\

12% increase

Ans: 4% increase

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

0%\

5% increase\

10% decrease\

5% decrease

Ans: 0%

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

2% increase\

10% increase\

10% decrease\

2% decrease

Ans: 2% decrease

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

8% increase\

10% increase\

10% decrease\

No change

Ans: 8% increase

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

100%\

125%\

150%\

175%

Ans: 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?

₹400\

₹420

₹450\

₹460

Ans: 460

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

16.67%\

18%\

20%\

22%

Ans: 16.67%

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

15%\

20%\

25%\

30%

Ans: 20%

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

20%\

25%\

30%\

35%

Ans: 30%

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

16.67%

18%

20%

25%

Ans: 16.67%

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

30%

40%

50%

60%

Ans: 60%

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

20%

25%

30%

35%

Ans: 25%

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

5000

6000

8000

9000

10000

Ans: 10000

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

30%

42.85%

50%

60%

Ans: 42.85%

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

0%

25% decrease

50% decrease

75% decrease

Ans: 25% decrease

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

16.67%

18%

20%

25%

Ans: 16.67%

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

120

150

180

200

Ans: 180

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

₹15,000

₹18,000

₹20,000

₹25,000

Ans: ₹20,000

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

16.67%

18%

20%

25%

Ans: 16.67%

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

8% increase

10% increase

10% decrease

No change

Ans: 8% increase

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

0%

2% profit

5% profit

10% loss

Ans: 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?

₹350

₹375

₹400

₹450

Ans: ₹400

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

0%

1% decrease

1% increase

2% decrease

Ans: 1% decrease

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

500

550

600

650

Ans: 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?**

₹40,000

₹45,000

₹50,000

₹55,000

Ans: ₹45,000

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

0%

9% decrease

9% increase

15% decrease

Ans: 9% decrease

43. **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: 13,310

44. **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: 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: ₹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: 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:) ₹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:) ₹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: ₹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: 17%