

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

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\

- 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**
- 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%