

Topic : Percentage & Profit & Loss question Bank

Assignment no. 1

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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%

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%