

**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
- e) 416.66**

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. 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?
- 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%