

**Name : Aditya Anand Bhandare**

**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: c)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: b)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: 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: 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%\
- e) Ans: 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: 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\
- e) Ans: 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: 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 : 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: 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: 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: 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: 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: 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: 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; 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.
- c. 30%
- d. 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?

- a. 5000
- b. 6000
- c. 8000
- d. 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?

- a. 30%
- b. 42.85%
- c. 50%
- d. 60%
- e. Ans: 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: 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%
- e. Ans: 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
- e. Ans: 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
- e. Ans: ₹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%
- e. 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?

- a.
- b. 10% increase
- c. 10% decrease
- d. 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?

- a.
- b. 2% profit
- c. 5% profit
- d. 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?

- a. ₹350
- b. ₹375
- c. ₹400
- d. ₹450

Ans: ₹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: 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: 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: ₹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.
- c. 9% increase
- d. 15% decrease

Ans: 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

- b) 13,500
- c) 14,000
- d) 14,200

Ans: ) 13,310

44) If 15% of A is equal to 20% of B, then A:B is:

- a) 3:4

- b
- 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
- 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)
- c) 30%
- d) 40%

Ans: 25%

47) A man sells an article for ₹720 at a profit of 20%. Find the cost price.

- a)
- 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)
- 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)
- 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: a) 17%