**Topic : Percentage & Profit & Loss question Bank**

**Name: Bhagyashri Haridas Date (JH)**

============================================

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%\
* 30%\
* 35%

ANS: 25%

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\
* ₹25,000

ANS: Rs.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: 28.75%

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% increase

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: Rs. 420

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.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

ANS: 6000

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: Rs. 20000

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: Rs. 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: 500

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: Rs. 50,000

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) 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) 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: 3.4

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: Rs. 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: Rs 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: Rs. 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 : Rs. 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%