

# Percentage

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1. What is 25% of 400?

- A) 25
- B) 50
- C) 100
- D) 150

Answer: C) 100

2. Express the fraction  $\frac{2}{5}$  as a percentage.

- A) 20%
- B) 25%
- C) 40%
- D) 50%

Answer: C) 40%

3. What is 15% of 60?

- A) 6
- B) 9
- C) 12
- D) 15

Answer: B) 9

4. A shop gives a 10% discount on a shirt priced at ₹500. What is the discount amount?

- A) ₹10
- B) ₹50
- C) ₹100
- D) ₹450

Answer: B) ₹50

5. Convert 0.75 into a percentage.

A) 0.75%

B) 7.5%

C) 75%

D) 750%

Answer: C) 75%

6. 40 is what percentage of 80?

A) 25%

B) 40%

C) 50%

D) 60%

Answer: C) 50%

7. A student scores 35 marks out of 50. What is their percentage score?

A) 35%

B) 50%

C) 65%

D) 70%

Answer: D) 70%

8. What is 200% of 45?

A) 22.5

B) 45

C) 90

D) 180

Answer: C) 90

9. If the price of a pen increases from ₹10 to ₹12, what is the percentage increase?

A) 2%

B) 10%

C) 20%

D) 25%

Answer: C) 20%

10. What is 0.2% of 5000?

A) 1

B) 10

C) 100

D) 1000

Answer: B) 10

11. 60 is 30% of what number?

A) 18

B) 120

C) 180

D) 200

Answer: D) 200

12. A cricket team won 12 matches out of 20. What percentage of matches did they win?

A) 12%

B) 40%

C) 60%

D) 80%

Answer: C) 60%

13. A basket contains 300 fruits, of which 25% are oranges. How many oranges are in the basket?

A) 25

B) 50

C) 75

D) 100

Answer: C) 75

14. What is the value of  $x$  if 60% of  $x$  is 42?

- A) 25.2
- B) 60
- C) 70
- D) 80

Answer: C) 70

15. Decrease 120 by 25%.

- A) 30
- B) 90
- C) 100
- D) 150

Answer: B) 90

16. Convert 175% to a fraction.

- A)  $\frac{7}{4}$
- B)  $\frac{5}{4}$
- C)  $\frac{3}{2}$
- D)  $\frac{4}{3}$

Answer: A)  $\frac{7}{4}$

17. If a salary of ₹30,000 is increased by 15%, what is the new salary?

- A) ₹31,500
- B) ₹33,000
- C) ₹34,500
- D) ₹35,000

Answer: C) ₹34,500

18. What percent of 1 day is 6 hours?

- A) 6%

B) 10%

C) 25%

D) 50%

Answer: C) 25%

19. A library has 800 books. If 40% are fiction, how many non-fiction books are there?

A) 320

B) 400

C) 480

D) 520

Answer: C) 480

20. What is 5% of 20?

A) 1

B) 2

C) 4

D) 5

Answer: A) 1

21. If 4% of a number is 12, what is the number?

A) 30

B) 48

C) 300

D) 400

Answer: C) 300

22. A jacket costs ₹1200. After a 20% discount, what is its selling price?

A) ₹240

B) ₹960

C) ₹1000

D) ₹1440

Answer: B) ₹960

23. Which of the following is equal to 0.05?

- A) 50%
- B) 5%
- C) 0.5%
- D) 0.05%

Answer: B) 5%

24. A class has 50 students. If 22 of them are boys, what is the percentage of girls?

- A) 22%
- B) 44%
- C) 50%
- D) 56%

Answer: D) 56%

25. What is 45% of 300?

- A) 45
- B) 90
- C) 135
- D) 150

Answer: C) 135

26. Increase 250 by 40%.

- A) 100
- B) 290
- C) 300
- D) 350

Answer: D) 350

27. 500 grams is what percentage of 2 kilograms?

- A) 10%
- B) 25%
- C) 50%
- D) 250%

Answer: B) 25%

28. If the population of a village decreased from 5,000 to 4,500, what is the percentage decrease?

- A) 5%
- B) 10%
- C) 11.11%
- D) 50%

Answer: B) 10%

29. What is 10% of 50% of 800?

- A) 4
- B) 8
- C) 40
- D) 80

Answer: C) 40

30. A number is increased by 10% and then decreased by 10%. The final number is:

- A) The same as the original number
- B) 1% greater than the original number
- C) 1% less than the original number
- D) 20% less than the original number

Answer: C) 1% less than the original number

31. What single discount is equivalent to two successive discounts of 20% and 10%?

- A) 25%
- B) 28%
- C) 30%

D) 32%

Answer: B) 28%

32. If A's income is 20% more than B's income, then B's income is what percent less than A's income?

A) 20%

B) 25%

C)  $16\frac{2}{3}\%$

D)  $33\frac{1}{3}\%$

Answer: C)  $16\frac{2}{3}\%$

33. Out of 1200 students, 720 are boys. What is the percentage of girls?

A) 28%

B) 40%

C) 60%

D) 72%

Answer: B) 40%

34. A number decreased by 40% gives 150. What is the number?

A) 200

B) 210

C) 225

D) 250

Answer: D) 250

35. What is 0.08 converted to a percentage?

A) 0.08%

B) 0.8%

C) 8%

D) 80%

Answer: C) 8%



36. 60% of a number is 360. What is 25% of that number?

A) 100

B) 120

C) 150

D) 600

Answer: C) 150

37. If the length of a rectangle is increased by 20% and its breadth is decreased by 20%, the area:

A) Increases by 4%

B) Decreases by 4%

C) Remains unchanged

D) Decreases by 1%

Answer: B) Decreases by 4%

38. A solution contains 15% salt. How much salt is there in 40 litres of solution?

A) 4 litres

B) 6 litres

C) 8 litres

D) 15 litres

Answer: B) 6 litres

39. What percent of a year is 3 months?

A) 3%

B) 12%

C) 25%

D) 30%

Answer: C) 25%

40. If 70% of students in a school are girls and the number of boys is 240, how many girls are there?

A) 560

B) 700

C) 800

D) 940

Answer: A) 560

41. What is 10% of 10%?

A) 1

B) 0.1

C) 0.01

D) 0.001

Answer: C) 0.01

42. The price of petrol increases by 25%. By what percentage must a car owner reduce his consumption so that his expenditure on petrol does not increase?

A) 10%

B) 15%

C) 20%

D) 25%

Answer: C) 20%

43. If x is 90% of y, what percent of x is y?

A) 90%

B) 100%

C) 101.1%

D) 111.1%

Answer: D) 111.1%

44. What is 37.5% expressed as a fraction?

A)  $\frac{1}{8}$

B)  $\frac{3}{8}$

C)  $\frac{5}{8}$

D)  $\frac{3}{4}$

Answer: B)  $\frac{3}{8}$

45. In an election, a candidate gets 54% of the votes and wins by 160 votes. What is the total number of votes polled?

- A) 1600
- B) 2000
- C) 2400
- D) 3000

Answer: B) 2000

46. What is  $\frac{7}{10}$  as a percentage?

- A) 7%
- B) 17%
- C) 70%
- D) 700%

Answer: C) 70%

47. A man spends 30% of his income on rent. If his income is ₹25,000, what is his rent?

- A) ₹2,500
- B) ₹3,000
- C) ₹7,500
- D) ₹10,000

Answer: C) ₹7,500

48. A scooter's price depreciated from ₹60,000 to ₹54,000. What is the percentage decrease?

- A) 6%
- B) 10%
- C) 12%
- D) 15%

Answer: B) 10%

49. What percentage of 5 litres is 250 millilitres?

A) 2.5%

B) 5%

C) 10%

D) 25%

Answer: B) 5%

50. If 30% of  $(A + B) = 50\%$  of  $(A - B)$ , then what is the ratio  $A : B$ ?

A) 1:4

B) 4:1

C) 3:5

D) 5:3

Answer: B) 4:1

51. An item is sold for ₹660 at a profit of 10%. What was its cost price?

A) ₹594

B) ₹600

C) ₹610

D) ₹726

Answer: B) ₹600

52. What is 400% of 12?

A) 3

B) 12

C) 24

D) 48

Answer: D) 48

53. If the radius of a circle is decreased by 50%, what is the percentage decrease in its area?

A) 25%

B) 50%

C) 75%

D) 100%

Answer: C) 75%

54. In an exam, a student had to score 35% to pass. He got 70 marks and failed by 35 marks. What were the maximum marks?

A) 105

B) 200

C) 300

D) 350

Answer: C) 300

55. 8% of what number is 56?

A) 70

B) 80

C) 700

D) 800

Answer: C) 700

56. What is 60% of 60?

A) 6

B) 30

C) 36

D) 60

Answer: C) 36

57. A monthly salary of ₹12,000 is increased by 5%. What is the new monthly salary?

A) ₹12,005

B) ₹12,500

C) ₹12,600

D) ₹13,200

Answer: C) ₹12,600

58. 48 is 60% of what number?

A) 28.8

B) 72

C) 80

D) 100

Answer: C) 80

59. A number is first increased by 30% and then reduced by 30%. The number:

A) does not change

B) increases by 9%

C) decreases by 9%

D) decreases by 6%

Answer: C) decreases by 9%

60. Convert the ratio 3:4 to a percentage.

A) 34%

B) 43%

C) 60%

D) 75%

Answer: D) 75%

61. If 20% of a number is 90, then what is 30% of that number?

A) 120

B) 135

C) 150

D) 450

Answer: B) 135

62. What percentage of numbers from 1 to 30 are divisible by 5?

A) 5%

B) 10%

C) 15%

D) 20%

Answer: D) 20%

63. The population of a town increases by 10% annually. If the current population is 20,000, what will be the population after 2 years?

A) 22,000

B) 24,000

C) 24,200

D) 25,000

Answer: C) 24,200

64. What is 0.5% of 800?

A) 0.4

B) 4

C) 40

D) 400

Answer: B) 4

65. A student needs to secure 40% marks to pass. He gets 150 marks and fails by 10 marks. What are the maximum marks?

A) 160

B) 320

C) 400

D) 500

Answer: C) 400

66. What is the percentage change from 80 to 60?

A) 20% increase

B) 20% decrease

C) 25% increase

D) 25% decrease

Answer: D) 25% decrease

67. If the side of a square is increased by 30%, then its area is increased by:

A) 30%

B) 60%

C) 69%

D) 90%

Answer: C) 69%

68. 75% of a number is 450. What is the number?

A) 337.5

B) 500

C) 600

D) 750

Answer: C) 600

69. In a company of 500 employees, 80% are male. How many female employees are there?

A) 80

B) 100

C) 200

D) 400

Answer: B) 100

70. What is 25% of ₹200?

A) ₹25

B) ₹50

C) ₹75

D) ₹100

Answer: B) ₹50



71. A vendor bought oranges at 6 for ₹10 and sold them at 4 for ₹10. What is the gain percent?

- A) 25%
- B) 40%
- C) 50%
- D) 60%

Answer: C) 50%

72. A man spends 92% of his monthly income. If he saves ₹220 per month, what is his monthly income?

- A) ₹2024
- B) ₹2200
- C) ₹2750
- D) ₹3000

Answer: C) ₹2750

73. What is 3.5 expressed as a percentage?

- A) 3.5%
- B) 35%
- C) 350%
- D) 0.35%

Answer: C) 350%

74. A man's income is ₹100. It increases by 10% and then his expenditure increases by 10%. If his initial savings were 50%, what is the percentage change in his savings?

- A) 10% increase
- B) 10% decrease
- C) 20% increase
- D) No change

Answer: A) 10% increase

75. What is the number which when increased by 20% becomes 360?

- A) 300

B) 320

C) 340

D) 432

Answer: A) 300

76. If  $A = y\%$  of  $x$  and  $B = x\%$  of  $y$ , then:

A)  $A > B$

B)  $A < B$

C)  $A = B$

D) Cannot be determined

Answer: C)  $A = B$

77. 20% of 90 is how much less than 40% of 60?

A) 6

B) 10

C) 18

D) 24

Answer: A) 6

78. What percent of 1 hour is 72 seconds?

A) 1.2%

B) 2%

C) 12%

D) 20%

Answer: B) 2%

79. A water tank is 40% full. If 30 litres of water are added, it becomes 70% full. What is the capacity of the tank?

A) 70 litres

B) 90 litres

C) 100 litres

D) 120 litres

Answer: C) 100 litres

80. What is  $33\frac{1}{3}\%$  of 900?

A) 100

B) 300

C) 600

D) 900

Answer: B) 300

81. The price of a TV was first increased by 20% and then decreased by 10%. If the final price was ₹10,800, what was the original price?

A) ₹9,000

B) ₹10,000

C) ₹10,500

D) ₹11,000

Answer: B) ₹10,000

82. In a class of 80 students, 60% are girls. Find the number of boys.

A) 20

B) 32

C) 40

D) 48

Answer: B) 32

83. A number exceeds 40% of itself by 60. The number is:

A) 100

B) 120

C) 150

D) 240

Answer: A) 100

84. What is 62.5% as a fraction?

A)  $\frac{3}{8}$

B)  $\frac{5}{8}$

C)  $\frac{3}{5}$

D)  $\frac{2}{3}$

Answer: B)  $\frac{5}{8}$

85. A salary was decreased by 20% and subsequently increased by 20%. The final salary compared to the original is:

A) 4% less

B) 4% more

C) The same

D) 2% less

Answer: A) 4% less

86. A man had ₹2000. He spent 30% of it. Out of the remainder, he spent 50%. How much money is left with him?

A) ₹700

B) ₹800

C) ₹1000

D) ₹1400

Answer: A) ₹700

87. Two numbers are 30% and 40% more than a third number, respectively. What percentage is the first number of the second?

A) 75%

B)  $92\frac{6}{7}\%$

C) 100%

D) 110%

Answer: B)  $92\frac{6}{7}\%$

88. If 240 is 40% of a number, then 120% of that number will be:

- A) 240
- B) 480
- C) 600
- D) 720

Answer: D) 720

89. A batsman scored 120 runs, which included 6 fours and 5 sixes. What percent of his score did he make by running between the wickets?

- A) 50%
- B) 55%
- C) 60%
- D)  $45\frac{5}{6}\%$

Answer: B) 55%

90. The value of a car depreciates by 20% per year. If its present value is ₹400,000, what was its value 2 years ago?

- A) ₹500,000
- B) ₹576,000
- C) ₹600,000
- D) ₹625,000

Answer: D) ₹625,000

91. If the numerator of a fraction is increased by 10% and the denominator is decreased by 10%, the new fraction is  $\frac{11}{9}$ . What was the original fraction?

- A)  $\frac{9}{11}$
- B) 1
- C)  $\frac{10}{9}$
- D)  $\frac{9}{10}$

Answer: B) 1

92. 80% of a number is 10 more than 60% of the same number. What is the number?

- A) 20
- B) 50
- C) 80
- D) 100

Answer: B) 50

93. A student multiplied a number by  $\frac{4}{5}$  instead of  $\frac{5}{4}$ . What is the percentage error?

- A) 20%
- B) 36%
- C) 45%
- D) 64%

Answer: B) 36%

94. What is the difference between 0.8 and 0.8%?

- A) 0
- B) 0.72
- C) 0.792
- D) 7.92

Answer: C) 0.792

95. In an examination, 40% of students failed. If the number of passed students is 480, how many students appeared for the examination?

- A) 600
- B) 720
- C) 800
- D) 1200

Answer: C) 800

96. A's salary is 25% more than B's salary. By how much percent is B's salary less than A's salary?

- A) 20%
- B) 25%

C) 30%

D)  $33\frac{1}{3}\%$

Answer: A) 20%

97. If 60% of a number is added to 120, the result is the number itself. The number is:

A) 180

B) 200

C) 240

D) 300

Answer: D) 300

98. Fresh fruit contains 80% water and dry fruit contains 20% water. How much dry fruit can be obtained from 100 kg of fresh fruit?

A) 20 kg

B) 25 kg

C) 40 kg

D) 80 kg

Answer: B) 25 kg

99. In a test consisting of 80 questions, a student answered 75% of the first 60 questions correctly. What percentage of the other 20 questions does she need to answer correctly to score 80% on the entire test?

A) 75%

B) 80%

C) 90%

D) 95%

Answer: D) 95%

100. If the price of sugar is decreased by 10%, a person can buy 1 kg more for ₹270. What is the original price of sugar per kg?

A) ₹25

B) ₹27

C) ₹30

D) ₹32

Answer: C) ₹30