Percentage

1. The difference between the cost price and sale price of an article is Rs.240. If the profit is 20% the selling price is

A. Rs.1,240   B. Rs.1,200   C. Rs.1,640   D. Rs.1,440

Answer: D

2. Raman buys a washing machine for Rs.13,500 and sells it at a loss of 12%. What is the selling price of the washing machine?

A. 11,880 B. 11,800 C. 13,500 D. 11,870

Answer: A

3. The cost price of 21 pens is equal to the selling price of 20pens. The loss or gain percent is

A. 20% B. 5% C. 10% D. 15%

Answer: B

4. The price of a house is decreased from rupees fifteen lakhs to rupees twelve lakhs. The percentage of decrease is

A. 10% B. 20% C. 30% D. 40%

Answer: B

5. A man bought an old bicycle for Rs.1, 500. He spends Rs.500 on its repair and sells it for Rs.1,800. Find the percentage of his loss.

A. 10% B. 15% C. 20% D. 5%

Answer: A

6. Find the single discount equivalent to a series discount of 20%, 10% and 5%.

A. 32% B. 21.6% C. 31.6% D. 32.6%

Answer: C

7. A TV set was sold for Rs.14,400 after giving successive discounts of 10% and 20% respectively. What was its market price?

A. Rs.21,000 B. Rs.9,000 C. Rs.20,500 D. Rs.20,000

Answer: D

8. A bicycle marked at Rs. 1,500 is sold for Rs. 1,350. What is the percentage of discount?

A. 5% B. 15% C. 10% D. 20%

Answer: C (repeated in 2015)

9. If in a class students of 50, 23 were girls and rest were boys, then the percentage of boys is

A. 46% B. 54% C. 64% D. 45%

Answer: B

10. In a class of 50 students, 27 of them are female students others are male students. Then, find the percentage of male and female students.

A. 46%, 54% B. 54%, 46% C. 27%, 23% D. 23%, 27%

Answer: A

11. An alloy consists of 30% copper and 40% zinc and the remaining is nickel. Find the amount of nickel in 20kilograms of the alloy.

A. 6Kg B. 4 kg C. 10 kg D. 12 kg

Answer: A

12. The population of a city in the year 2014 is 1, 80,000 and increases at a rate of 20% per year. Find the population of the city in the year 2016?

A. 2,40,000 B. 2,59,200 C. 2,55,000 D. 2,54,300

Answer: B

13. If the population of a village is 50,00 , 40% of them are men, 20% of them are children and the rest are women. Then the number of women,

A. 10,000 B. 20,000 C. 30,000 D. 40,000

Answer: B

14. The difference of two numbers is 20% of the larger number. If the smaller number is 20 then the larger number is

A. 25 B. 45 C. 50 D. 80

Answer: A

15. 15% of the total numbers of biscuits in a bottle is 30. Find the total number of biscuits in the bottle.

A. 100 B. 200 C. 150 D. 300

Answer: B

16. Find the number which is 12% less than 250.

A. 220 B. 215 C. 200 D. 245

Answer: A

17. The number which is 15% less than 240 is

A. 204 B. 206 C. 203 D. 205

Answer: A

18. Find the number which is 15% less than 120

A. 100 B. 102 C. 104 D. 98

Answer: B

19. If 30% of a = 60 then find a

A. 200 B. 50 C. 250 D. 100

Answer: A

20. If 50% of (x-y) = 30% of (x+y) then what percent of x is y?

A. 20% B. 24% C. 25% D. 23%

Answer: C

21. 40% of 1640 + ? = 35% of 980 + 150% of 850

A. 962 B. 692 C. 926 D. 629

Answer: A

22. If 784 + x = 78% of 500 then the value of x is

A. 342 B. 352 c 362 D. 372

Answer: C (repeated)

23. If x % of y is 100 and y % of z is 200, then the relation between x and z

A. z = x/2 B. z = 2x C. z = x/4 D. z = 4x

Answer: B

24. What percent of 3x is 6y if x = 4y?

A. 20% B. 30% C. 40% D. 50%

Answer: D

25. The cost price of a cow is Rs.6000. What is the selling price in order to make a profit of 30%?

A. 1800 B. 7000 C. 7800 D. 9000

Answer: C

26. A cow is sold for Rs.2400 at a profit 20%. Find the cost price.

A. Rs.1000 B. Rs.2000 C. Rs.1800 D. Rs.1500

Answer: B

27. On selling 12notebooks, a seller makes a profit equal to the selling price of 4 notebooks, what is his gain percent?

A. 20% B. 30% C. 40% D. 50%

Answer: D

28. On selling a chair at 7% loss and a table at 17% gain, a man gains 296. If he sells the chair at 7% gain and table at 12% gain then he gains Rs.400. The actual price of the table is

A. Rs.1400 B. Rs.2400 C. Rs.400 d.Rs.800

Answer: B

29. After getting two successive discounts, a shirt with a cost price o Rs.150 is available at Rs.105. If the second discount is 12.5% find the discount.

A. 10% B. 15% C. 20% D. 16%

Answer: C

30. The price of a cloth is increased by 60%. How many percent should a family reduce its expenditure of cloth so as not to increase its monthly expenditure?

A. 37.5% B. 35.5% C. 60.5% D. 40.5%

Answer: A

31. The price of the oil is decreased by 25%. If the expenditure is not decreasing, the ratio between the original consumption and the increase in consumption is

A. 3:1 B. 4:3 C. 4:1 D. 5:2

Answer: A

32. The price of an article is reduced by 25% and its daily sale is increased by 30%. Find the net effect on the daily sale receipts?

A. 2 1 2 % increase B. 2 1 2 % decrease C. 2% increase D. 2% decrease

Answer: B

33. 5% of income of A is equal to 15% of income of B and 10% of income of B is equal to 20% of income of C. If C's income is Rs.2000 then the total income of A, B and C is

A. Rs.6000 B. Rs.14000 C. Rs.18000 D. Rs.20000

Answer: C

34. If A's salary is 25% less than B's salary, by how much percent is B's salary more than A's?

A. 33 1 2 % B. 20% C. 40% D. 12%

Answer: A

35. In 2011, the population of a town is 2,50,000. If it is increased by 10% in the next year, find the population in 2012.

A. 2,65,000 B. 2,75,000 C. 2,85,000 D. 3,00,000

Answer: B

36. 40quintals is what percent of 2metric tonnes?

A. 2% B. 20% C. 150% D. 200%

Answer: D

37. What percent is 20paise of 5rupees 80paise?

A. 2 13 29 % B. 313 29 % C. 4 13 29 % D. 5 13 29 %

Answer: B

38. If A is 80% of B and B is 20% of c then what percent of A is C?

A. 200 B. 600 C. 500 D. 625

Answer: D

39. If a = 5b what percent of 3a is 3b?

A. 10% B. 20% C. 25% D. 26%

Answer: B

40. A seller says the cost of an item at a profit of 3%. Then he gives a discount of 3%. Then he sells the item at

A. A profit of 0.09% B. a loss of 0.09% C. a profit of 9% D. no loss or no profit

Answer: B

41. By selling an article for Rs.480, a person lost 20%. For what amount should he sell it to make a profit of 20%?

A. Rs.800 B. Rs.760 C. Rs.720 D. Rs.680

Answer: C

42. If the price of a book is first decreased by 20% and then increased by 20% then the net change in the price will be

A. No change B. 5% increase C. 4% decrease D. 10% decrease

Answer: C

43. The cost of three Tamil books and four general knowledge books is Rs.432. If the cost of three Tamil books is the same as that of four general knowledge books, the cost of general knowledge books is

A. 72 B. 54 C. 36 D. 48

Answer: B

44. By selling goods at Rs.36, a merchant loses 10% on his outlay. Find the percentage of profit when he sells the same at Rs.45.

A. 16.5% B. 13.5% C. 9% D. 12.5%

Answer: D

45. A 2 wheeler"s market price is Rs.75000. The vendor allows successive discounts of 10%, 8% and 5% on it. What is its selling price?

A. 50,000 B. 57,750 C. 58,995 D. 55,000

Answer: C

46. A shopkeeper gives a discount of 10% on the marked price of a watch but he gains 10%. If the marked price is Rs.330, what is the cost price?

A. Rs.270 B. Rs.300 C. Rs280 D. Rs.250

Answer: A

47. After successive discounts of 12% and 5% an article was sold for Rs.209. What was the original price of the article?

A. 226 B. 252 C. 250 D. 269

Answer: C

48. A number is decreased by 10% and then increased by 10%. The number so obtained is 10 less than the original number. What was the original number?

A. 2000 B. 1000 C. 500 D. 100

Answer: B

49. A man saves Rs.3000 per month from his total salary of Rs.20000. The percentage of his savings is

A. 5% B. 10% C. 15% D. 20%

Answer: C

50. In 2013, the population of a town is 1,25,000. If it is increased by 7% in the next year. Find the population in 2014.

A. 8750 B. 1,33,750 C. 1,16,250 D. 1,25,000

Answer: B

51. In an half yearly examination 60% of the candidate failed in Physics and 40% failed in Mathematics. If 15% of the candidate failed in both subjects and 7500 students passed in both then the total number of candidates are

A. 50,00 B. 45,000 C. 75,000 D. 60,000

Answer: A

52. A student multiplied a number by 3/5 instead of 5/3. What is the percentage error in the calculation?

A. 64% B. 54% C. 44% D. 34%

Answer: A

53. The ratio of number of boys and girls in a college is 6:5. If the % increase in the number of boys and girls be 25% and 10% respectively, what will be the new ratio?

A. 15:11 B. 10:15 C. 15:13 D. 11:7

Answer: A

54. A road transport accepts 72% of the auto meters in working condition. How many will he examine to accept 270 auto meter?

A. 375 B. 470 C. 475 D. 720

Answer: A

55. A"s salary is half that of B. If A got a 50% rise in his salary and B got a 25% rise in his salary, then the percentage increase in combined salaries of both is

A. 33 1 3 % B. 72% C. 36% D. 33%

Answer: A

56. Ramkumar spends 70% of his income. His income is increased by 15% and he increased his expenditure by 10%. Find the percentage increase in his savings.

A. 76.67% B. 36.6% C. 26.67% D. 15%

Answer: C

57. In a hotel, 60% had vegetarian lunch whole 30% had non vegetarian lunch and 15% had both types of lunch. If 96 people were present, how many did not have either type of lunch?

A. 20 B. 24 C. 26 D. 28

Answer: B

58. Two candidates fought an election. The winner got 65% of votes and won by 300 votes majority. What is the total number of votes polled?

A. 350 B. 650 C. 1000 D. 3000

Answer: C

59. In an election, 30% of the voters voted for candidate A, whereas 60% of the remaining voted for candidate B. The remaining voters did not vote. If the difference between those who voted for candidate A and those who did not vote was 1200, how many were eligible for casting vote in that election?

A. 40,000 B. 50,000 C. 60,000 D. 6,000

Answer: C

60. In an examination 80% of the total candidates passed in English and 70% in mathematics while 20% failed in both. If total number of candidates failed is 450, find the total number of candidates.

A. 1800 B. 1500 C. 1000 D. 1200

Answer: B

61. What percentage of students does not like computer science

Subject	No. of Students
Maths	6
Physics	12
Chemistry	15
Biology	8
Computer Science	9

A. 91% B. 9% C. 82% D. 18%

Answer: C

62. If 18% of the total number of oranges in a basket is 36. Then the total number of oranges is

A. 100 B. 150 C. 200 D. 300

Answer: C

63. How many litres of pure acid are there in 10litres of 30% solution of acid?

A. 1.5 B. 3 C. 4.5 D. 4

Answer: B

64. If A‟s salary is 20% less than B‟s salary by how much percent is B‟s salary more than A‟s?

A. 24% B. 25% C. 20% D. 22%

Answer: B

65. If 50% of (x-y) = 30% of (x+y) then what percent of x is y?

A. 25% B. 50% C. 75% D. 100%

Answer: A

66. Find x if 45% of x + 30% of 90 = 30% of 120

A. 30 B. 45 C. 20 D. 25

Answer: C

67. What will be 60% of a number whose 300% is 120?

A. 12 B. 24 C. 36 D. 48

Answer: B

68. 30% of a number is 15 less than 3/5th of that number. What is the number?

A. 48 B. 52 C. 50 D. 70

Answer: C

69. What is 25% of 25% equal to?

A. 6.25 B. 0.625 C. 0.0625 D. 0.00625

Answer: C

70. If 40% of 1640 + x = 35% of 980 + 150% of 850, find the value of x

A. 1052 B. 842 C. 962 D. 372

Answer: C