

19. Pradeep invested 20% more than Mohit. Mohit invested 10% less than Raghu. If the total sum of their investment is ₹ 17880, how much amount did Raghu invest ?
 (a) ₹ 6000 (b) ₹ 8000 (c) ₹ 7000
 (d) ₹ 5000 (e) None of these
20. In a college, 200 students are there in which 36% are girls. Each boy's monthly fees is ₹ 480 and each girl paid 25% less monthly fees in comparison to boy. What is the total monthly fees amount paid by boys and girls ?
 (a) ₹ 873400 (b) ₹ 867300 (c) ₹ 876300
 (d) ₹ 873600 (e) None of these
21. Twenty per cent of Anuj's annual salary is equal to seventy five per cent of Raj's annual salary. Raj's monthly salary is 60% of Ravi's monthly salary. If Ravi's annual salary is ₹ 1.44 lakh. What is Anuj's monthly salary ?
 (a) ₹ 270000 (b) ₹ 27000 (c) ₹ 324000
 (d) ₹ 5400 (e) None of these
22. In a college 12% of total students are interested in sports. $\frac{3}{4}$ th of total students are interested in dance. 10% of total students are interested in singing and remaining 15 students are not interested in any activity. How many students are there in the college ?
 (a) 450 (b) 500
 (c) 600 (d) Cannot be determined
 (e) None of these
23. Aman's expense is 30% more than Vimal's expense and Vimal's expense is 10% less than Raman's expense. If the sum of their expenses is ₹ 6447, then what would be the Aman's expense ?
 (a) ₹ 2200 (b) ₹ 2457 (c) ₹ 1890
 (d) ₹ 2100 (e) None of these
24. A candidate appearing for an examination has to secure 35% marks to pass. But he secured only 40 marks and failed by 30 marks. What would be the maximum marks of test ?
 (a) 280 (b) 180 (c) 200
 (d) 150 (e) 210
25. What is 25% of 50% of $\frac{2}{3}$ rd of 630 ?
 (a) 36.5 (b) 52.5 (c) 45.5
 (d) 68.5 (e) None of these
26. Natasha decided to spend 45% of her salary on shopping. On completion of her shopping, she realised that she had spent only ₹ 11475, which was 60% of what she had decided to spend. How much is Natasha's salary ?
 (a) ₹ 29600 (b) ₹ 38800
 (c) ₹ 42500 (d) Cannot be determined
 (e) None of these
27. The income of A is 150% of the income of B and the income of C is 120% of the income of A. If the total income of A, B and C together is ₹ 86000, what is C's income ?
 (a) ₹ 30000 (b) ₹ 32000 (c) ₹ 20000
 (d) ₹ 36000 (e) None of these
28. Mr. Giridhar spends 50% of his monthly income on household items and out of the remaining he spends 50% on transport, 25% on entertainment, 10% on sports and remaining amount of ₹ 900 is saved. What is Mr. Giridhar's monthly income ?
 (weight in gm)
 (a) ₹ 6000 (b) ₹ 12000
 (c) ₹ 9000 (d) Cannot be determined
 (e) None of these
29. In a mixture of milk and water the proportion of water by weight was 75%. If in the 60 gm mixture, 15 gm water was added, what would be the percentage of water ?
 (a) 75% (b) 88% (c) 90%
 (d) 100% (e) None of these
30. The product of one-third of a number and 150% of another number is what per cent of the product of the original numbers?
 (a) 80% (b) 50%
 (c) 75% (d) 120%
 (e) None of these

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25. If 12% of 75% is greater than 5% of a number by 75, the number is
 (1) 1875 (2) 1890 (3) 1845 (4) 1860
 (5) None of these
26. If 50% of a number is added to 50, the result is the number itself, then the number is
 (1) 60 (2) 80 (3) 40 (4) 100
 (5) 90
27. A number on subtracting 14 from it, reduces to 90% of the same number. What is the number ?
 (1) 145 (2) 134 (3) 140 (4) 118
 (5) 110
28. A number decreased by 25% gives 10.8. The number is
 (1) 19.6 (2) 18.5 (3) 17.4 (4) 16.3
 (5) 14.4
29. The total number of students in a school is 5600 out of which 60% are boys what is the total number of girls in this school ?
 (1) 2240 (2) 3360 (3) 2860 (4) 3240
 (5) None of these
30. If a man after spending 85% of the income he saves ₹4560 per month, his monthly income is
 (1) ₹32800 (2) ₹31600 (3) ₹30400 (4) ₹29600
 (5) None of these
31. It is known that 6% of the mangoes are rotten. If the number of rotten mangoes is 54, then the total number of mangoes is
 (1) 900 (2) 950 (3) 1010 (4) 1040
 (5) 1080
32. If 75% of students in a school are boys and the number of girls is 310, the number of boys is
 (1) 860 (2) 720 (3) 650 (4) 930
 (5) None of these
33. A fruit seller had some oranges. He sells 35% oranges and still has 390 oranges. Originally he had
 (1) 620 (2) 550 (3) 600 (4) 520
 (5) None of these
34. In an examination 90% of the students passed and 240 failed. How many students appeared for the examination ?
 (1) 23600 (2) 24000 (3) 24500 (4) 25200
 (5) 25800
35. In a class of 60 students, each student got sweets that are 15% the total number of students. How many sweets were there ?
 (1) 540 (2) 520 (3) 550 (4) 580
 (5) 510
36. In a class of 60 students and 6 teachers, each student got sweets that are 20% of the total number of students and each teacher got sweets that are 25% of the total number of students. How many sweets were there ?
 (1) 875 (2) 840 (3) 810 (4) 860
 (5) 895
37. 720 sweets were distributed equally among children in such a way that number of sweets received by each child is 20% of the total number of children. How many sweets did each child receive ?
 (1) 8 (2) 10 (3) 9 (4) 12
 (5) None of these
38. Rajesh decided to donate 16% of his salary on the day of donation he changed his mind and donated ₹4320 which was three-fifths of what he had decided earlier. How much is the salary of Rajesh ?
 (1) ₹45000 (2) ₹45800 (3) ₹46000 (4) ₹46400
 (5) None of these
39. Deepa decided to donate 8% of her salary to an orphanage. On the day of donation she changed her mind and donated ₹2240 which was 80% of what she had decided earlier. How much is Deepa's salary ?
 (1) ₹36000 (2) ₹42000 (3) ₹35000 (4) ₹45000
 (5) None of these
40. A student has to secure 36% marks to pass. He gets 150 marks and fails by 30 marks. The maximum marks are
 (1) 540 (2) 600 (3) 500 (4) 620
 (5) None of these

Type 3 Data Sufficiency

Directions (Q. Nos. 41 to 50) Each of the questions below consists of a question and two statements A and B given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the questions and both statements and give answer.

- (1) if statement A is alone sufficient to answer the question
- (2) if statement B is alone sufficient to answer the question
- (3) if both the statements independently are sufficient to answer the question
- (4) if both the statements are not sufficient to answer the question
- (5) if both the statements together are sufficient to answer the question but neither statement is sufficient alone

41. Sudha and Radha each received a salary increase. Which one received the greater increase ?
 A. Sudha's salary increased by 8%.
 B. Radha's salary increased by 5%.
42. If A's and B's annual salaries in 2010 were each 10% higher than their respective annual salaries in 2009, what was A's annual salary in 2009 ?
 A. The sum of A's and B's annual salaries in 2009 was ₹50000.
 B. The sum of A's and B's annual salaries in 2010 was ₹55000.
43. What is the value of a if $b = x\%$ of ?
 A. $b = 150$
 B. $x = 25$