1. If 50% of P = 25% of Q then P=X% of Q. Find x ?

2. If 20% of P+Q=50% of P-Q . Find P:Q

3. If 90% of A=30% of B and B = 2X% of A then find the X?

4. If 40% of A+B = 60% of A-B then 2A-B/A+B is ?

5. If 20% of A=80% of B then B+A/B-A

6. If 20% of A+B=50% of B then the value of 2A-B/2A+b

7. If X is 20% less than Y then find the value of Y-X/Y, X/X Y?

8. If 8% of X=4% of Y then 20% of X is _____% of y?

9. If 60% of A=30% of B, B=40% of C, C=X% of A find X?

10. If X is 10% more than Y what % is Y less than X?

11. If A's height is 10% more than B height. How much percent less is B's height that of A

12. B got 20% marks less than A. what percent did more than A?

13. If x earn 25% more than y what percentage less than does y earns.

14. Two numbers are respectively 12 ½ % and 25% more than A 3rd number the first number is what percentage of second number is.

15. Two numbers are less than a 3rd number by 30% and 37% respectively the % by which the 2nd number is less than the first is.

16. Radha spends 40% on salary on food 20% of house rent 10% on entertainment 10% on remaining things. If her savings at the end of month 1500 then her salary per month is.

17. kitchen spends 30% on his salary on food and donates 3% in a chair table trust his spend 2130 on these two items then total scale.

18. Mr. x spend 35% on his salary on food 5% of salary on his children education in January 2011 his spend 7600 on these two items his salary for that mr.is

19. Keshav spend Rs.55,475 on his party, Rs.28,525 on buying home appliances and the remaining 25% or total amount he had as cash with him. What was the total amount?

20. Mrs. Sujatha invests 7% i.e., (2710) on her monthly salary in mutual fund later she invest 18% on her monthly salary in recurring deposits also she invest 6%of her salary on NSC's. What is the total annual amount invested by her?

21. A man spends 40% of his monthly salary on food and 1/3rd of the remaining he saves Rs.4,500 per month which is equal to half the balance after spending on food & transport.

22. A person gave 20% of his income to his elder son .30% of remaining to the younger son & 10% of the balance he donated to trust he left with 10080. His income was?

23. The monthly salaries of A&B together amount to Rs.40.000. A spends 85% of his salary & B 95% of his salary. If now their savings are the same then the salary of A is?

24. Viple decided to donate 12% of his salary to an orphanage. On the day of donation he changed his mind and donated Rs.2,400 which was 125% of What he had decided earlier.How much is viple's salary.

25. 2 persons contested an election of parliament the winning candidate secure 57% of the total votes polled and won by a majority of 42000.

26. In an election a candidate secured 40% of the votes but is defeated by the only other candidate by a majority of 299 votes.

27. In an election between two candidates, one gets 72% or the total votes. If the total votes are 8200 by how many votes did the winner.

28. In an election between two candidates, getting 60% of the votes polled is elected by a majority of 14000 votes. The number of votes polled by the winning candidates.

29. In an election 3 candidates contested 1st candidate got 40% and 2nd got 36% votes. If the total number of votes polled were 36000. Find the number of votes by the 3rd person.

30. In a college election between two candidates 10% votes cast are invalid. The winner gets 70% of valid votes the defeats the loser by 1800 votes. How many votes were totally cast

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37. In an examination, 80% of the boys passed in English, and 85% passed in Mathematics, while 75% passed in both, if 45 boys failed in both. The number of boys who sat for the examination was.

38. In an examination, 65% students passed in Mathamatics, 48% passed in Physics, and 30% passed in both. How much percent of the students failed in both subjects?

39. In an examination, 70% students passed in English, 80% passed in Mathematics, 10% failed in both the subjects. If 144 candidates passed in both, the total number of candidates are.
40. In an examination, a student who gets 20% of the maximum marks fails by 5 marks. Another student who scores 30% of the maximum marks gets 20 marks, more than pass marks. The necessary percentage required for passing is.

41. In an examination, there are three subjects of 100 marks each. A student scores in first subject 60% and 80% in second. The scored 70% in aggregate. His percent of marks in the third subject is.

42. If A:B:C=2:3:4 then what is the value of A/B : B/C : C/A ?

43. If A : B = 2 : 3 & B : C = 4 : 5 then A : B : C = ?

44. If A : B = 1/2 : 1/3 and B : C = 1/2 : 1/3 then A : B : C is ?

45. If A : B = 5 : 7 and C : D = 2A : 3B then AC : BD is ?46. If 3A = 5B and 4B = 6C then A : C is

47. If 3A = 5B and 4B = 6C then A : C is If X / Y = 6/5 find the value of $(X^2 + Y^2) / (X^2 - Y^2)$ is?

48. If A : 5 = B: 7 + C : 8 then Find (A + B + C) /A

49. If x:y = 8 then 5x-4y : 3x+2y is

50. If x/2y = 6/7 ,then value of x-y/x+y + 14/19

51. If A:B = 2:3 and B:C = 4:5 then A^2 + B^2+BC is

52. If A:B = 2:3 and B:C = 4:5 and C:D = 6:7 then A:B:C:D is

53. If A:B = 3:4 ,B:C = 5:7 and C:D = 8:9 then A:D is If A:B:C:D?

54. A:B=1/2:3/8,B:C=1/3:5/9,C:D=5/6:3/4 then If 1000 rupees is divided between A&B in ratio 3:2,then B will receive?

55. If 78 rupees is divided into 3 parts which are in ratio 1:1/3:1/6 ,then the middle part will receive how much money?

56. 33630 are divided A,B,C in the ratio in such a manner that ratio of amount of A to that of B is 3:7 and the ratio of amount B to that of C is 6:5,then amount received by B is?

57. If 3400 rupees is divided among A,B,C,D in such a way that the share A&B ,B&C,C&D may be as 2:3,4:3,2:3 respectively.The sum of shares of B&D is?

58. By mistake,instead of dividing 117 rupees among A,B,C and the ratio 1/2:1/3:1/4,it was divided in ratio of 2:3:4,who gains the most and by how much?

59. If sum of money divided among a,b,csuch that a's share twice b, share and b'share is 4times c'share then there share in the ratio

60. Divide rupees 1250 among A,B,C so that A gets 2/9 of b share and c gets ¾ of A's share find the share of A,B,&C

61. Rupees 2010 are to be divided among A,B,C in such a way that if A gets rs5 then B must get 12 and of B gets rs4 then C must gets rs550,the share of c will exceed by that of 'B' by

62. The ratio of 2numbers is 3:8 and their difference is 115. The largest and smallest is

63. The ratio of two numbers is 10:7 and their difference is 105.The sum of the numbers are

64. The sum of two numbers is 40 and difference between them is 4.Find the ratio of of the numbers

65. Three numbers are in the ratio 3:2:5 and sum of their square is 1862.what are the 3numbers

66. three numbers are in a ratio 3:2:5 and sum of their squares is 1862 what are the three numbers

67. the three numbers in the ration of 1st and 2nd is 8:9 and that of 2nd and 3rd is 3:4 . if the product of 1st and 2nd numbers 2400,then the second number is

68. 3 numbers all in the ratio 1\2:2\3:3\4:.the difference between the greaterand smaller number is 36 the numbers

69. there is a ratio of 5:4 between two numbers if 40%of first number is 12 then what would be the 50%or 2nd number

70. the ratio of two numbers is 2:5 if the largest number is 40 the smallest is

71. the sum of two numbers is 16 then difference 8 what is 2 number is

72. The sum of total 2 numbers is 16 the difference is 8 What are the two numbers

73. The sum Two number is 15 And the difference is 3 Find the two numbers

74. The ratio of the number of boys to girls of a school with 504 students is 13:11 What will be the new ratio if 12 New students added?

75. In classroom boys and girls in ratio 5 : 7 if 9 left from each of them,their ratio becomes 7 :11 the difference of boys and girl is

76. The students in 3 class is 2:3:5 If 40 students are Increased In each class the ratio changes to 4:5:7 . find the original total number of students was

77. The ratio of boys and girls is 5 : 3 if 50 boys leave the college and 50 girls join the college the ratio becomes 9 : 7 the number of boys in the college is

78. ratio of number of boys to that of girls in a group becomes 2:1, when 15 girls leave but afterwards when 45 boys also leaves the ratio becomes 1:5. Original number of girls in the group was

79. The total number of students in a school was 650. The ratio between boys and girls was 13:9. After some days 30 girls joined the school and some boys left the school and the new ratio between boys and girls become 6:5. The number of boys who left the school is

80. In a college union there are 48 students. The ratio of the number of boys to the number of girls is 5:3. The number of girls to be added in the union so that the number of boys to girls is 6:5

81. The ratio of income of P and Q is 3:4 and the ratio o their expenditure is 2:3. If both of them save 6000 each then the income of P is?

82. A and B have monthly income in the ratio 5:6 and monthly expenditure in the ratio 3:4. If they save 1800 and 1600 respectively. Find the monthly income of B

83. A man spends a part of his monthly income and saves a part of it. The ratio of its expenditure to his saving is 26:3. If his monthly income is 7250, what is the amount of his monthly saving

84. The monthly salary of A,B and C is in the proportion of 2:3:5. If C's monthly salary is ₹12000 more than that of A. Then B's annual salary is ?

85. The income of A and B are in ratio 5:3, the expenses of A,B and C are in the ratio 8:5:2. If C spends ₹2000 and B saves ₹700 the A saves?

86. In a bag there are three types of coins 1rupee, 50 pi, 25pi, in the ratio 3:8:20, there total values is rupees 372. Find the total number of coins?

87. In a bag there are 3 types of coins 1 rupee, 50 pi, 25 pi, the ratio of 2:3:4. There total value is 180

88. In a bag three coins 1 rupees 50 pi, 20 pi, in a ration of 8:5:3 there total value is rupees 225. Find the no.of 1 rupee coins?

89. a bag contains 420 coins of 1 rupees, 50 pi and 20 pi coins the ratio of this values is 13:11:7 the no.of 50 pi coins is ?

90. a box contains 280 coins of 1 rupee, 50 pi, 25pi coins the ratio of their value is 8:4:3 the no.of 50 rupees coins

91. the ratio of the ages of two student is 3a;2, one is elder than the other by 5years. What is the age of younger students?

92. the ratio of ages of two boys is 5:6, after 2 years the ratio will be 7:8, what will be the ratio of their age after 12 years?

93. harsha is 40 years old and rithu is 60 years old how many years ago was the ratio of there ages 3:5?

94. The ratio of present age are 2 brother is 1:2 and 5 years back the ratio was 1:3. What will be the ratio of there ages after 5 years?

95. the ratio of present ages of A & B is 5:6 after 16 years the ratio of their ages will be 7:8. What will be the present age of B?

96. What is the mean proportion between 8 and 32.

97. What is the sub-duplicate ratio of 16:25.

98. 0.5 of a number is equal to 0.07 of another. The ratio of the number is.

99. In the ratio which is equal to 5:8, the antecedent is 40, then the consequent is.

100. 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 Rs.86000, what is C,s income?