Ratio Proportion (4)

1. If 0.75:x=5:8 then find the value of x.
2. If A: B:C=2:3:4 then find the value of A/B: B/C:C/A
3. If 0.6 times one number is equal to 0.025 time the other, what is the ratio of two numbers?
4. What should be subtracted from the terms of the ratio 19:23 makes it equal to the ratio of 3:4.
5. Two numbers are in the ratio 3:5. If 9 is subtracted from each, the new number are in the ratio 12:23. Find the smallest number.
6. The sides of a triangle are in the ratio of ½:1/3:1/4 and its perimeter is 156 cm. find the length of the largest side.
7. A sum of money is to be distributed among A, B, C and D in the proportion of 5:2:4:3. If C gets Rs. 1000 more than D. What is B's share.
8. The sum of three numbers is 98. If the ratio of the first to the second is 2:3 and that of the second to the third is 5:8. Find the second number.
9. The salaries of A,B and C ire in the ratio 2:3:5. If the increment of 15%,10% and 20% are allowed respectively in their salaries, then what will be the new ratio of their salaries.
10. Salaries of Ravi and Sumit are in the ratio 2:3. If the salaries of each is increased by Rs. 4000, then the new ratio become 40:57. What is Sumit's present salary?
11. Ratio of the number of boys and girls was 1:2. But when 2 boys and 2 girls left, the ratio become 1:3. How many people were at the party originally.
12. A certain amount was to be distributed among A,B and C in the ratio of 2:3:4 respectively, but was erroneously distributed in the ratio 7:2:5 respectively. As a result B got Rs. 40 less. What is amount?
13. Rs. 73689 are divided between A and B in the ratio 4:7. What is the difference between thrice the share A and twice the share of B?
14. M,N, O and P divided Rs. 44352 among themselves. M took 3/8th of the money, N took 1/6th of the remaining amount and rest was divided among O and P in the ratio of 3:4 respectively. How much did O get as his share?
15. A sum of money is divided among A,B,C,D in the ratio of 3:5:9:13 respectively. Of the share of C is Rs. 2412 more than the share of A, then what is the total amountof money of B and D together?

Solution

1) 1.20
2) 8:9:24
3) 1/24
4) 7
5) 33
6) 72 cm
7) Rs.2000
8) 30
9) 23:33:60
10) Rs. 38000
11) 12
12) Rs. 210
13) Rs. 13398
14) Rs. 9900
15) Rs.7236