

Ratio Proportion (5)

1. If $4a=5b$ and $7b=9c$ then find the value of $a:b:c$.
2. If $x:y=5:2$ then $(8x+9y) : (8x+2y)=?$
3. The sum of two numbers is 25 and their difference is $7\frac{1}{2}$. Find the ratio of the number.
4. If Rs. 782 be divided into three parts, proportional to $\frac{1}{2}:2/3:3/4$. What is the first part?
5. How many one-rupee coin, 50 paise coins and 25 paise coins in total of which the numbers are proportional to 5, 7 and 12 are together worth Rs.115?
6. Divide Rs. 1000 among P, Q and R such that P gets $\frac{2}{3}$ of Q's share and R gets $\frac{5}{3}$ of Q's share. Then what is the share of Q?
7. When wheat is Rs.13 per kg, 75 men can be fed for 15 days at a certain cost. How many men can be fed for 45 days at the same cost, when wheat is Rs.1 per kg?
8. The ratio of the number of boys to girls in an institution is 6:5. If there are 192 boys in total, find the total number of students in the institute.
9. If 40% of a number is equal to two-third of another number, what is the ratio of first number and 2nd number.
10. Two numbers are respectively 20% and 50% more than the third number. Find the ratio of two numbers.
11. The ratio of monthly income of Sneha, Tina and Akruti is 95:116. If Sneha's annual income is Rs.342000. what is Akruti's annual income.
12. The ratio of the monthly income of Trupti, Pallavi, and Komal is 141:172:123. If Trupti's annual income is Rs. 338400, what is Komal's annual Income?
13. Divide Rs. 2340 into three parts, such that the first part be double that of second part and second part be $\frac{1}{3}$ of the third part. Find the third amount.
14. In a certain school, the ratio of boys to girls is 7:5. I there are 2400 students in the school, then how many girls are there in the school.
15. One half of a certain number is equal to 65% of the 2nd number. Find the ratio of 1st and 2nd Number.

Solution

- 1) 45:36:28
- 2) 29:22
- 3) 13:7
- 4) Rs.204
- 5) 50,70,120
- 6) 300
- 7) 325
- 8) 352
- 9) 2:5
- 10) 4:5
- 11) Rs. 417600
- 12) Rs.295200
- 13) Rs. 1170
- 14) 1000
- 15) 13:10