Ratio and Proportion

1. The ratio of the total amount distributed in all the males and females as salary is 6:5. The ratio of the salary of each male and female is 2:3. Find the ratio of the no. of males and females.

2. A mixture contains sugar solution and colored water in the ratio of 4:3. If 10 liters of colored water is added to the mixture, the ratio becomes 4:5. Find the initial quantity of sugar solution in the given mixture.

3. A and B together have £ 1210. If 4/15 of A's amount is equal to ⅖ of B's amount, how much amount does B have?

4. The sum of Three numbers is 98. If the ratio of thef irst to second is 2:3 and that of the second to the third is 5:8, then the second number is.

5. Present ages of Sameer and Anand are in the ratio of 5:4 respectively. Three years hence, the ratio of their ages will become 11:9 respectively. What is Anand's present age in years?

6. Salaries of A,B and C were in the ratio 3:5:7 respectively. If their salaries were increased by 50 percent, 60 percent and 50 percent respectively, what would be the new ratio of their respective salaries?

7. There are 180 students in a class. Number of girls in the class are 75. Find the ratio of the girls to the number of boys.