

RATIO and PROPORTION

1. A, B, C and D are four quantities of the same kind such that $A: B = 3:4$, $B: C = 5:6$, $C: D = 11:9$. What is the ratio between A and D?
2. If $A:B = 5:9$ and $B:C = 3:8$ then find $A:B:C$.
3. A man had property worth Rs. 26540. He gave Rs. 9200 to his wife and divides the remaining amount among his sons in the ratio of 1:2:3. How much did the first son get?
4. The ratio of the number of gents to ladies in a party was 2:3. When 20 more gents joined the group, the ratio was reversed. Find the number of ladies in the party?
5. The ratio between the ages of Ritu and Vandna is 2:5. After 8 years their ages will be in the ratio 1:2. Find difference between their present ages.
6. The cost of a book and a pen are in the ratio 3:2. If the cost of 10 books and 6 pens is Rs. 63, then find the cost of a book.
7. Annual incomes of A and B are in the ratio 4:3 and their expenses are in the ratio 3:2. If each of them saves Rs 600 at the end of the year, find the annual income of each.

ANSWERS

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| 1) 55:72 | 2) 5:9:25 | 3) 2890 | 4) 24 |
| 5) 24 | 6) 4.50 | 7) 2400, 1800 | |