Codeyoung

Concept_HW_G8_ Problems on Direct and Inverse Proportion

1.Two numbers are in the ratio 3 : 4. If the sum of numbers is 63, find the numbers.

2. A bag contains $510 in the form of 50 p, 25 p and 20 p coins in the ratio 2 : 3 : 4. Find the number of coins of each type.

3. Mother divided the money among Ron, Sam and Maria in the ratio 2 : 3 : 5. If Maria got $150, find the total amount and the money received by Ron and Sam.

4. Two numbers are in the ratio 3 : 7. If their sum is 710, find the numbers

5.Find the ratio of A : B: C when

(a) A : B = 3 : 5 A : C = 6 : 7

(b) B : C = 1/2: 1/6 A : B = 1/3 : 1/5

6.A sum of money is divided among Ron and Andy in the ratio 4 : 7. If Andy's share is $616, find the total money.

7. Two numbers are in the ratio 5 : 7. On adding 1 to the first

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and 3 to the second, their ratio becomes 6/9 . Find the numbers.

8. The difference between two numbers is 33 and the ratio between them is 5 : 2. Find the numbers.

9. The ages of A and B are in the ratio 3 : 5. Four years later, the sum of their ages is 48. Find their present ages.

10. Ramon has notes of $100, $50 and $10 respectively. The ratio of these notes is 2 : 3 : 5 and the total amount is $2,00,000. Find the numbers of notes of each kind.

11. If 4A = 5B = 6C, find the ratio of A : B : C.

12. Divide $430 into 3 parts such that A gets 5/4 of B and the ratio between B and C is 3 : 4.

13. A certain sum of money is divided among A, B, C in the ratio 2 : 3 : 4. If A's share is $200, find the share of B and C.

14. Divide $940 among A, B, C in the ratio 1/3: 1/4 : 1/5

15. The ratio of number of male and female teachers in a school is 3 : 4. If there are 16 female teachers, find the number of male teachers.

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