

BOARD – ICSE

CLASS –7

TOPIC – RATIO & PROPORTION

- Two numbers are in the ratio 3 : 4. If the sum of numbers is 63, find the numbers.
- If  $x : y = 1 : 2$ , find the value of  $(2x + 3y) : (x + 4y)$
- 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.
- The difference between two numbers is 33 and the ratio between them is 5 : 2. Find the numbers.
- What must be added to each term of the ratio 2 : 3, so that it may become equal to 4 : 5?
- The length of the ribbon was originally 30 cm. It was reduced in the ratio 5 : 3. What is its length now?
- 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.
- Divide \$370 into three parts such that second part is  $\frac{1}{4}$  of the third part and the ratio between the first and the third part is 3 : 5. Find each part.
- The first, second and third terms of the proportion are 42, 36, 35. Find the fourth term.
- The ratio of number of boys and girls is 4 : 3. If there are 18 girls in a class, find the number of boys in the class and the total number of students in the class.
- Find the third proportional of 16 and 20.
- Two numbers are in the ratio 7 : 5. If 2 is subtracted from each of them, the ratio becomes 3 : 2. Find the numbers.
- What should be added to the ratio 5 : 11, so that the ratio becomes 3 : 4?
- Two numbers are in the ratio 3 : 7. If their sum is 710, find the numbers.
- 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.