ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Arithmetic **Class: 7** **Date: 30. 04.20**

Duration: 40 min **Worksheet Solution 15** **Full Marks: 15**

RATIO

Choose the Correct options:

1. A ratio equivalent to 3 : 7 is:
(i) 3 : 9; (ii) 6 : 10; **(iii) 9 : 21;** (iv) 18 : 49
2. The ratio 35 : 84 in simplest form is:
(i) 5 : 7; (ii) 7 : 12; **(iii) 5 : 12;** (iv) none of these
3. In a class there are 20 boys and 15 girls. The ratio of boys to girls is:
(i) 4 : 3; (ii) 3 : 4; (iii) 4 : 5; (iv) none of these
4. Two numbers are in the ratio 7 : 9. If the sum of the numbers is 112, then the larger number is:
(i) 49; (ii) 72; **(iii) 63;** (iv) 42
5. The ratio of 1.5 m to 10 cm is:
(i) 1 : 15; (ii) 15 : 10; (iii) 10 : 15; **(iv) 15 : 1**
6. The ratio of 1 hour to 300 seconds is:
(i) 1 : 12; (ii) 12 : 1; (iii) 1 : 5; (iv) 5 : 1
7. 7 : 12 is equivalent to:
(i) 28 : 40; (ii) 42 : 71; (iii) 72 : 42; **(iv) 42 : 72**
8. The length and breadth of a rectangle are in the ratio 3 : 1. If the breadth is 7 cm, then the length of the rectangle is:
(i) 14 cm; (ii) 16 cm; (iii) 18 cm; **(iv) 21 cm**
9. Length and width of a field are in the ratio 5 : 3. If the width of the field is 42 m then its length is:
(i) 100 m; (ii) 80 m; (iii) 50 m; **(iv) 70 m**
10) By giving Rs. 50 to M, A would have the amount equal to what M had earlier. If the sum of the amounts with A and M is Rs. 650. What is the ratio of the amount with A to that with M earlier?
(i) 7 : 4 (ii). 5 : 3 (iii) 2 : 1 **(iv) 7 : 6**
11) The ratio of the present age of father to that of son is 7:2. After 10 years their ages will be in the ratio of 9:4. The present ages of the father is
(i) 35 years (ii) 40 years (iii) 30 years (iv) 25 years
12) Ajay and Raj together have Rs. 1050. On taking Rs. 150 from Ajay, Ajay will have same amount as what Raj had earlier. Find the ratio of amounts with Ajay and Raj initially.
(i) 3:4 (ii) 7:1 (iii) 1:3 **(iv) 4:3**
13) The ratio of numbers of girls and boys participating in sports of a school is 4:5. If the number of girls is 212, determine the number of boys participating in the sports.
(i) 256 **(ii) 265** (iii) 251 (iv) 263
14) Two numbers are in ratio 2:3. If 2 be subtracted from the first and 2 be added to the second, the ratio becomes 1:2. Find the sum of the numbers.
(i) 30 (ii) 28 (iii) 24 (iv) 10
15) Ratio of two numbers is 3:8. On adding 5 to both numbers, the ratio becomes 2:5. Which is the smaller number out of the two?
(i) 64 (ii) 120 **(iii) 45** (iv) 105