CBSE Worksheet-48

CLASS – VI Mathematics (Ratio and Proportion)

Choose correct option in questions 1 to 5.

1. In a class, there are 20 boys and 40 girls. What is the ratio of the number of boys to the number of girls?
   - a. 1:2
   - b. 2:1
   - c. 1:3
   - d. 1:4

2. Length of a room is 30 m and its breadth is 20 m. Find the ratio of length of the room to the breadth of the room.
   - a. 2:3
   - b. 3:2
   - c. 3:5
   - d. 2:5

3. If the cost of 6 cans of juice is Rs 210, then what will be the cost of 4 cans of juice?
   - a. Rs 100
   - b. Rs 120
   - c. Rs 140
   - d. Rs 160

4. A car travels 90 km in $2\dfrac{1}{2}$ hours. Find the distance covered in 3 hours with the same speed.
   - a. 56 km
   - b. 72 km
   - c. 96 km
   - d. 108 km

5. In a school, there were 73 holidays in one year. What is the ratio of the number of holidays to the number of days in one year?
   - a. 1:5
   - b. 5:1
   - c. 1:4
   - d. 4:1

Fill in the blanks:

6. If two _____ are equal, we say that they are in proportion.

7. The value of the variable in an equation which satisfies the equation is called a _____ to the equation.

8. There are 45 persons working in an office. If the number of females is 25 and the remaining are males, find the ratio of:
   - a. The number of females to number of males.
   - b. The number of males to number of females.

9. Find the ratio of the following:
   - a. 81 to 108
   - b. 30 minutes to 1.5 hours

10. Divide 20 pens between Sheela and Sangeeta in the ratio of 3:2.

Answer key:

1. a
2. b
3. c
4. d
5. a
6. ratios
7. solution
8. a. 5:4
    b. 4:5
9. a. 3:4
    b. 1:3
10. Sheela = 12 pens
    Sangita = 8 pens