CBSE Worksheet-52

CLASS – VI Mathematics (Ratio and Proportion)

Choose correct option in questions 1 to 5.

1. Cost of a pen is Rs 10 and cost of a pencil is Rs 2. What is the ratio of cost of pen to cost of pencil?
   a. 5:1
   b. 1:5
   c. 1:2
   d. 2:1

2. Saurabh takes 15 minutes to reach school from his house and Sachin takes one hour to reach school from his house. Find the ratio of the time taken by Saurabh to the time taken by Sachin.
   a. 4:1
   b. 1:4
   c. 15:1
   d. 1:15

3. Find the ratio of 90 cm to 1.5 m.
   a. 5:3
   b. 6:1
   c. 3:5
   d. 1:6

4. There are 45 persons working in an office. If the number of females is 25 and the remaining are males, find the ratio of the number of males to number of females.
   a. 4:9
   b. 5:4
   c. 9:4
   d. 4:5

5. Ravi and Rani started a business and invested money in the ratio 2 : 3. After one year the total profit was Rs 40,000. What is the share of Ravi in profit?
   a. Rs 16000
   b. Rs 24000
   c. Rs 15000
   d. Rs 20000

Fill in the blanks:
6. Second and third terms are known as _____ in proportion.
7. The value of the variable in an equation which satisfies the equation is called a _____ to the equation.

8. Ratio of distance of the school from Manu's home to the distance of the school from Sonu's home is 3 : 1. Who lives nearer to the school?

9. Divide 20 pens between Sheena and Meena in the ratio of 3:2.

10. Check whether the given ratios are equal, i.e. they are in proportion. If yes, then write them in the proper form.
    a. 4:12 and 9:27
    b. Rs 10 to Rs 15 and 4 to 6

Answer key:

1. a
2. b
3. c
4. d
5. a
6. middle terms
7. solution
8. Sonu
9. Sheena = 12 pens
    Meena = 8 pens
10. a. Yes, 4:12 :: 9:27
     b. Yes, 10:15 :: 4:6