CBSE Worksheet-51

CLASS – VI Mathematics (Ratio and Proportion)

Choose correct option in questions 1 to 5.

1. Isha's weight is 25 kg and her father's weight is 75 kg. What is the ratio of weight of Isha to weight of her father?
   a. 1:3
   b. 3:1
   c. 1:2
   d. 2:1

2. Length of a house lizard is 20 cm and the length of a crocodile is 4 m. What is the ratio of length of lizard to crocodile?
   a. 20:1
   b. 1:20
   c. 5:1
   d. 1:5

3. Length and breadth of a rectangular field are 50 m and 15 m respectively. Find the ratio of the length to the breadth of the field.
   a. 3:10
   b. 1:3
   c. 10:3
   d. 3:1

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 females to number of males.
   a. 5:9
   b. 4:5
   c. 9:5
   d. 5:4

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

7. First and fourth terms are known as _____ in proportion.

8. If the ratio of distance of Maria's home to the distance of Karan's home from school is 1 : 2, then who lives nearer to the school?

9. Divide Rs 60 in the ratio 1 : 2 between Kirti and Kamal.

10. Check whether the given ratios are equal, i.e. they are in proportion. If yes, then write them in the proper form.
    a. 1:5 and 3:15
    b. 2:9 and 18:81

Answer key:

1. a
2. b
3. c
4. d
5. a
6. proportion
7. extreme terms
8. Maria
9. Kirti = Rs 20
    Kamal = Rs 40
10. a. Yes, 1:5 :: 3:15
    b. Yes, 2:9 :: 18:81