Dr. Virendra Swarup Education Centre, Panki, Kanpur

Class-VI

Worksheet – Ratio and proportion, Subject-Mathematics

Q1- Find the ratio of the following:

(a) 63 to 45(b) 256 to 512(c) 66 km to 121 km(d) 3 minutes to 45 minutes

(e) ½ hour to 45 minutes(f) 1cm to 10 mm(g) 45 paise to Re1(h) 100 mL to 2 litre

Q2- In a School, out of 1220 students, 300 are girls. Find the ratio of

(a) Number of girls to the total number of students.

(b) Number of boys to the number of girls.

(c) Number of boys to the total number of students.

Q 3- Cost of a dozen bananas is Rs 180 and cost of 8 lemons is Rs 56. Find the ratio of the cost of a banana to the cost of a lemon.

Q 4- Determine if the following are in proportion.

(a) 25, 75, 80, 240

(b) 11, 121, 9, 99

(c) 12, 144, 25, 625

(d) 32, 48, 70, 210

(e) 4, 6, 8, 12

(f) 33, 44, 75, 100

Q 6- Determine if the following ratios form a proportion. Also, write the middle terms and extreme terms where the ratios form a proportion.

(a) 10 cm: 1 m and Rs 10: Rs 100

(b) 39 litres: 65 litres and 6 bottles: 10 bottles

(c) 2 kg: 50 kg and 25 g: 625 g

(d) 200 mL: 2.5 litre and Rs 4: Rs 50

Q 7- Aakash earns Rs 20000 in 10 days. How much will she earn in 30 days?

Q 8- The weight of 72 books is 144 kg. What is the weight of 10 such books?

X--------------------------X---------------------------X