

Assignment for Ratio and Proportions-1

Question 1

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) $\frac{1}{2}$ hour to 45 minutes
- (f) 1cm to 10 mm
- (g) 45 paise to Re1
- (h) 100 mL to 2 litre

Question 2

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.

Question 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.

Question 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

Question 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

Question 7

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

Question 8

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