

## Maths Worksheet 6

### Ratio and Proportion

1. Write the following Ratios in their lowest forms:

(i) 10 : 15 (ii) 22 : 28 (iii) 1.5 : 7.5 (iv) 20 : 80 (v) 11 : 121

2. Find the ratio between the following:

(i) 45 minutes to 2 hours

(ii) 8 months to 3 years

(iii) 1 day to 8 hours

(iv) 500 grams to 4 kgs

(v) 80 paise to 5 rupees

3. The cost price of a book is ₹ 800 and selling price is ₹ 950. Find the ratio of:

(i) Profit to Cost Price

(ii) Cost Price to Selling Price

(iii) Cost Price to Selling Price

4. Distribute ₹ 10, 800 in Sita and Geeta in the ratio of 1:3.

5. Compare the following ratios and write which one is greater:

(i) 3 : 7 and 2 : 3 (ii) 4 : 11 and 5 : 13 (iii) 7 : 14 and 6 : 12 (iv) 5 : 7 and 3 : 5

6. State whether the following are in proportion or not:

(i) 5, 10, 9, 8 (ii) 14, 4, 15, 6 (iii) 24, 16, 30, 20 (iv) 5, 10, 20, 30 7.

7. Find the product of means and product of extremes in the following.

(i) 3 : 4 :: 12 : 16 (ii) 11 : 33 :: 9 : 27 (iii) 8 : 16 :: 35 : 70 (iv) 7 : 28 :: 9 : 36