

Ratio, Proportion & Unitary Method

Topic: Unitary Method

Name: Date:

1. The ratio of the length of a school ground to its width is 5: 2. Find its length if the width is 40m. m

2. The ratio of copper and zinc in an alloy is 9: 7. If the weight of zinc in the alloy is 9.8 kg, find the weight of copper in the alloy. kg

3. The ratio of the income to the expenditure of a family is 7: 6. Find the savings if the income is ₹1400. ₹

4. The ratio of story books in a library to other books is 1: 7. The total number of story books is 800. Find the total number of books in the library.

5. The cost of 17 chairs is ₹9605. Find the number of chairs that can be purchased in ₹56500.

6. Three ferryloads are needed to carry 150 people across a river. How many people will be carried on 4 ferryloads?

7. If 9 kg of rice costs Rs 120.60, what will 50 kg of such a quality of rice cost? ₹

8. A train runs 200 kilometres in 5 hours. How many kilometres does it run in 7 hours? km

9. 10 boys can dig a pitch in 12 hours. How long will 8 boys take to do it? hrs

10. A rail journey of 75 km costs Rs 215. How much will a journey of 120 km cost? ₹

