

Ratio & Proportion

1. Kitchen flooring is sold at £8.00 per 1 metre length.
Find the cost of:

- (a) 5m (b) 50cm (c) 80cm

2. A school employs teachers in the ratio 1:20 to the number of children.

- a. If the school has 600 children, how many teachers does it need?
b. If the school has 15 teachers, how many children can it take?

3. The weights of two tins of fruit are in the ratio 3:5.

Find the weight of the smaller tin as a percentage of the weight of the large tin.

4. This is a list of ingredients needed to make 24 scones.

600g flour	100g dried fruit
250g butter	water to mix

- a. How much dried fruit is needed for 6 scones?
b. How much flour would you need for 40 scones?

5. These are the ingredients needed for making 18 rock cakes.

9 ounces of flour	6 ounces of sugar
6 ounces of margarine	8 ounces of mixed dried fruit
2 large eggs	

- a. Justin wants to make 12 rock cakes. How much of each ingredient will he need?
b. Ali has 9 ounces of margarine, but plenty of all the other ingredients. What is the greatest number of rock cakes she can make?