

Food Glorious Food

KS3

Tuesday - Maths

Ratio and Proportion

Practice

1. 3 bread rolls cost £1.05. How much will 25 bread rolls cost?
2. 4 bottles of drink cost £3.60. How much will 9 bottles of drink cost?
3. 5 jars of coffee cost £9. How much will 4 jars of coffee cost?
4. 9 bags of flour cost £9.90. How much will 7 bags of flour cost?
5. 2 bags of sugar cost £1.40 How much will 9 bags of sugar cost?
6. 4 tins of tuna cost £5.20. How much will 6 tins of tuna cost?
7. 4 apples cost 88 pence. How much will 30 apples cost?

Exam Style Questions

1. Amy, Beth and Colin share 36 sweets in the ratio 2 : 3 : 4
Work out the number of sweets that each of them receives.

1. Potatoes cost £9 for a 12.5 kg bag at a farm shop.
The same type of potatoes cost £1.83 for a 2.5 kg bag at a supermarket.
Where are the potatoes the better value, at the farm shop or at the supermarket?
You must show your working.

3. This is a list of ingredients for making a pear and almond crumble for 4 people.

Ingredients for 4 people
80 g plain flour
60 g ground almonds
90 g soft brown sugar
60 g butter
4 ripe pears

Work out the amount of each ingredient needed to make a pear and almond crumble for 10 people.

4. Rosa prepares the ingredients for pizzas.
She uses cheeses, topping and dough in the ratio 2:3:5 Rosa uses 70 grams of dough.
Work out the number of grams of cheese and the number of grams of topping Rose uses.

6. Here are the ingredients needed to make 500ml of custard.

<p>Custard Makes 500 ml 400 ml of milk 3 large eggs yolks 50 g sugar 2 teaspoons of corn flour</p>
--

- a) Work out the amount of sugar needed to make 2000 ml of custard.
- b) Work out the amount of milk needed to make 750 ml of custard.

7. Ann buys 12 kg of potatoes and 5 kg of carrots for £25.60. The potatoes cost £1.50 per kg. Find the cost of carrots per kg.