

PROPORTIONS – PRACTICE QUESTIONS



1.

Amy is making cupcakes. She reads the instructions.

Ingredients
To make 5 cupcakes: 200g flour 250g sugar 220g butter

Amy wants to make 15 cupcakes.

Work out how much flour, sugar and butter she needs.

2.

Ben is making chicken fajitas. He reads the instructions.

Ingredients
Serves 2: 300g chicken 3 onions 2 peppers 75g fajita mix

Ben wants to make enough to serve 12 people.

Work out how much Ben needs of each ingredient.

3.

Cerys is making shortbread biscuits. She reads the instructions.

Ingredients

To make 10 biscuits:

400g sugar

250g flour

350g butter

Cerys wants to make 25 shortbread biscuits.

Work out how much she needs of each ingredient.

4.

Dean is making macaroni cheese. He reads the instructions.

Ingredients

Serves 2:

150g pasta

220ml cream

120g grated cheese

Dean is making the meal for 5 people.

Work out how much he needs of each ingredient.

5.

Erin is making chocolate brownies. She reads the instructions.

Ingredients
To make 20 brownies:
200g sugar
160g flour
350g butter
150g cocoa powder

Erin wants to make 70 brownies. Work out how much she needs of each ingredient.

6.

Felicity is making chilli con carne. She reads the instructions.

Ingredients
Serves 2:
250g beef mince
4 onions
320g kidney beans
120g chilli powder

Felicity needs to make enough to serve 11 people.
Work out how much she needs of each ingredient.

7.

Frankie, Greg and Hugo are making cakes. They read the instructions.

<p style="text-align: center;">Ingredients</p> <p style="text-align: center;">To make 1 cake: 250g sugar 325g flour 300g butter 3 eggs</p>

(a) Frankie has 15 eggs. What is the maximum number of cakes she can make with 15 eggs?

(b) Greg has 2 kilograms of sugar. What is the maximum number of cakes he can make with that much sugar?

(c) Hugo has 2.4 kilograms of butter and 3 kilograms of flour. What is the maximum number of cakes he can make with the flour and butter he has?

8.

Jamie is making shortbread biscuits. He reads the instructions.

<p style="text-align: center;">Ingredients</p> <p style="text-align: center;">To make 10 biscuits: 300g butter 225g sugar 200g flour</p>

Jamie has 1.8 kilograms of butter, 1.75 kilograms of sugar and 2 kilograms of flour. What is the maximum number of biscuits he can make?

9.

Kirsty is making apple cake. She reads the instructions.

Ingredients
Serves 2:
5 apples
300g sugar
450g flour
350g butter

Kirsty has 15 apples, 1 kilogram of sugar, 2.5 kilograms of flour and 1.5 kilograms of butter.

What is the maximum number of people Kirsty can serve?

10.

Lucas is making flapjacks. He reads the instructions.

Ingredients
To make 12 flapjacks:
200g oats
120g butter
160g sugar
20ml golden syrup

Lucas has 650g of oats, 600g of butter, 575g of sugar and 200ml of golden syrup.

What is the maximum number of flapjacks Lucas can make?

11.

Margaret is making blueberry muffins. She reads the instructions.

<p style="text-align: center;">Ingredients</p> <p style="text-align: center;">To make 8 muffins: 240g sugar 320g flour 80g blueberries 4 eggs</p>
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Margaret has 800g of sugar, 1 kilogram of flour, 220g of blueberries and 16 eggs.
What is the maximum number of blueberry muffins Margaret can make?

12.

Dawn is making fruit punch for a party.

She reads on the internet that to make 1 litre of fruit punch you need 100ml of pineapple juice, 350ml of orange juice and 550ml of lemonade.

Dawn wants to make 15 litres of fruit punch.

Cartons of pineapple juice contain 250ml and cost £1.20.

Cartons of orange juice contain 250ml and cost £1.

Bottles of lemonade contain 750ml and cost £2.

Work out how much it will cost Dawn to make the fruit punch.