

Examples



Workout

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Question 1: Jake is making scones.
Here is a list of ingredients to make 8 scones.

8 Scones

200g flour
30g caster sugar
50g butter
140ml milk
1 egg

How much of each ingredient would be needed to make:

- (a) 16 scones? (b) 4 scones? (c) 24 scones?
(d) 40 scones? (e) 80 scones? (f) 2 scones?

Question 2: Chloe is making ice cream.
She is using the recipe below.

serves 4

300ml double cream
320ml milk
120g caster sugar
1 vanilla pod
4 egg yolks

How much of each ingredient would Chloe need to make enough for:

- (a) 8 people? (b) 2 people? (c) 1 person?
(d) 3 people? (e) 6 people? (f) 10 people?

Question 3: Rupert is making a fish pie.
He is using the recipe below.

serves 5

500g cod
400g haddock
600ml milk
120g butter
40g flour
1kg potatoes

How much of each ingredient would Rupert need to make enough for:

- (a) 15 people? (b) 1 person? (c) 2 people?
(d) 4 people? (e) 8 people? (f) 11 people?

Apply

Question 1: Tia uses this recipes to make hot cross buns.
Tia is going to use this recipe to make 9 hot cross buns.

(a) How much of each ingredient does Tia need?

Grace uses the same recipe.
She uses 500ml of milk.

(b) How many hot cross buns is Grace making?

makes 12

480g flour
60g caster sugar
200ml milk
1 egg
50g butter
100g currant

Question 2: Timothy is making a Rice Krispie cakes.
A recipe uses 240g of chocolate and 160g of Rice Krispies to make 24 cakes.

(a) Write down the ratio of chocolate to Rice Krispies in its simplest form.

(b) How much Rice Krispies should Timothy use to make 30 cakes?

Question 3: Sarah is making shortbread biscuits.
She has:

600g of butter
300g of caster sugar
1kg of plain flour
500g of cornflour

She has found this list of ingredients for making 8 shortbread biscuits

makes 8

Butter	150g
Caster Sugar	60g
Plain Flour	200g
Cornflour	50g

Sarah wants to make as many shortbread biscuits as possible.
Work out how many shortbread biscuits Sarah can make.

Question 4: Rebecca has a recipe for Chilli Con Carne

She only has 400g of kidney beans

How much of the other ingredients should she use?

serves 6

1.2kg mince
420g tomatoes
3 chillies
600g kidney beans

Question 5: Heather is making chocolate biscuits.
She has:

2kg of flour
1kg of butter
340g of icing sugar
200g of chocolate

Here is the list of ingredients for making 20 biscuits.

makes 20

100g flour
120g butter
80g icing sugar
25g chocolate

Heather wants to make as many biscuits as she can.
Work out how many biscuits Heather can make.

Question 6: David has a full 800ml bottle of car shampoo.
He is going to mix some of the car shampoo with water.

The bottle has this guidance

Car Shampoo - 800ml
Mix $\frac{1}{4}$ of the car shampoo
with 1.8 litres of water

David is going to use 360ml of water.
How much car shampoo should David use?

Question 7: James is making concrete using cement, sand and gravel in the ratio 1 : 2 : 3
James has:

63kg cement
112kg sand
210kg gravel

What is the maximum amount of concrete that James can make?

Answers



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