

Y6 Ratio recipe problems

1. Jaime is making scones. Here is a list of ingredients to make 8 scones.

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?

8 Scones

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

2. Chloe is making ice cream. She is using the recipe below.
How much of each ingredient would Chloe need to make:

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

Serves 4

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

3. Rupert is making a fish pie. He is using the recipe below.
How much of each ingredient would Rupert need to make:

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

Serves 5

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

4. Tia uses this recipe to make 9 hot cross buns.

- (a) How much of each ingredient does Tia need?
(b) Grace uses the same recipe, but she only has 500ml of milk.
How many hot cross buns can she make?

Makes 12

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

5. Rohin is making 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) What quantity of Rice Krispies should Rohin use to make 30 cakes?

6. Jace is making concrete using cement, sand and gravel in the ratio 1 : 2 : 3
Jace has 63kg cement, 112kg sand and 210kg gravel.
What is the maximum amount of concrete that James can make?