

Proportion problems

Solve problems involving the relative size of two quantities

Independent Task

Miss Parsons



Question 1

Makes 20 cookies

100 g butter
125 g caster sugar
1 large egg
5 ml vanilla extract
200 g flour
100 g chocolate



- a) Scale the ingredients to make:
- 10 cookies
 - 60 cookies
 - 1 cookie
- b) How many cookies can be made with 625 g of caster sugar? Explain how you know.



Question 2

Makes 6 bowls of soup

2 carrots
2 sticks of celery
2 medium onions
2 cloves of garlic
2 stock cubes
900 g of tomatoes
6 large tomatoes
 $\frac{1}{2}$ a bunch of basil



- a) Scale the ingredients to make:
- 30 bowls of soup
 - 120 bowls of soup
- b) How many bowls are made from 2.7 kg of tomatoes? Explain how you know.



Question 3

Makes 2 bracelets

50 cm elastic

20 blue beads

10 red beads

10 purple beads

6 star beads



- a) How many bracelets can I make if I have 42 star beads?
- b) How many of each other item would I need?



Question 4

Recipe for 12 cakes

200 g caster sugar
115 g margarine
200 g self raising flour
2 eggs
2 tsp vanilla extract
2 tsp baking powder
120 ml milk



Fatma wants to make 120 cakes.

She has looked in her cupboard and found a bag of flour. It is half full, and originally contained 3 kg of flour.

Does Fatma have enough flour to make 120 cakes? If not, how many cakes could she make?

