

Proportion

How to ...

Here is a list of ingredients for making 18 mince pies.

$$18 + 18 + 9 = 45$$

so we need
x 2.5 each
of the ingredients
for 45

Ingredients for 18 mince pies

$$225 \text{ g of butter} \times 2.5 = 562.5 \text{ g}$$

$$350 \text{ g of flour} \times 2.5 = 875 \text{ g}$$

$$100 \text{ g of sugar} \times 2.5 = 250 \text{ g}$$

$$280 \text{ g of mincemeat} \times 2.5 = 700 \text{ g}$$

$$1 \text{ egg} \times 2.5 = 2.5 \text{ eggs}$$

Elaine wants to make 45 mince pies. She has

1 kg of butter *yes has enough*

1 kg of flour *yes has enough*

500 g of sugar *yes has enough*

600 g of mincemeat *NO needs 700g*

6 eggs *yes has enough*

Does Elaine have enough of each ingredient to make 45 mince pies.

You must show clearly how you got your answer

Elaine does not have enough mincemeat
she needs 700g but only has 600g.
She has enough of all the other ingredients (4)

Now have a go yourself ...

Q1. Here is a list of ingredients to make lemon sorbet for 6 people.

800 g melon

4 egg whites

1/2 lime

100 g caster sugar

Terry makes melon sorbet for 18 people.

a) Work out how much caster sugar he uses.

Hedley makes melon sorbet. He uses 2 limes.

b) Work out how many people he makes melon sorbet for.

Q2. 225 grams of flour are needed to make 9 cakes.

Marian wants to make 20 of these cakes. She has 475 grams of flour.

Does Marian have enough flour to make 20 cakes?

Exam Questions

.Q1.

Here are the ingredients needed to make 16 gingerbread men.

Ingredients - to make **16** gingerbread men

160 g flour 40 g ginger

110 g butter 30 g sugar

Hamish wants to make 24 gingerbread men. Work out how much of each of the ingredients he needs.

Q2. Here are the ingredients needed to make 12 shortcakes.

Shortcakes - makes 12 shortcakes

50 g of sugar 200 g of butter

200 g of flour 10 ml of milk

a) Liz makes some shortcakes. She uses 25 ml of milk. How many shortcakes does Liz make?

b) Robert has

500 g of sugar 1000 g of butter

1000 g of flour 500 ml of milk

Work out the greatest number of shortcakes Robert can make.

Ready to be marked ?

Checklist

☐

Answers checked

☐

Working out shown



Keywords



Things to remember ...



What went well ...

Teacher comment ..