

RECIPE CONVERSION PROBS

Some of the ingredients needed to make enough Banoffi pie for 6 servings are listed below:

- 175g butter
- 30g plain chocolate
- 2 bananas
- 300ml double cream

(a) How many bananas would be needed for 18 servings?
 $6 \rightarrow [x?] \rightarrow 18$ $18 \div 6 = 3$ Need 3x everything

So $2 \times 3 = 6$ bananas

[1]

(b) How much plain chocolate would be needed to make enough pie for 21 servings?

$6 \rightarrow [x?] \rightarrow 21$ $21 \div 6 = 3.5$ Need 3.5x everything

So $30 \times 3.5 = 105g$ plain chocolate

[2]

A recipe for a bean and rice salad dish for 6 people uses the following ingredients.

- 110g dried beans,
- 1 mugful of long-grain brown rice.

Calculate the amount of each ingredient needed to make the dish for 9 people.

$6 \rightarrow [x?] \rightarrow 9$ $9 \div 6 = 1.5$ Need 1.5x everything

$110 \times 1.5 = 165g$ dried beans
 $1 \times 1.5 = 1.5$ mugful of rice

[3]

The following is a list of ingredients to make 24 scones.

- 480g flour
- 150ml milk
- 80g sultanas
- 48g sugar
- 120g margarine
- 2 pinches of salt

Calculate how much salt, flour and milk would be needed to make 36 scones.

$24 [x?] \rightarrow 36$ $36 \div 24 = 1.5$ Need 1.5x everything

SALT: $2 \times 1.5 = 3$ pinches

Flour: $480 \times 1.5 = 720g$

Milk: $150 \times 1.5 = 225ml$

(4)

Here is a recipe for spaghetti with a tomato and basil sauce to serve 4 people.

Ingredients to serve 4 people	
For the spaghetti	For the sauce
400g/14 oz plain flour	4 tablespoons olive oil
4 eggs	2 onions
$\times 2.5$	800g/28 oz fresh chopped tomatoes
	20 leaves of fresh basil

(a) Complete a version of this recipe to serve 10 people.

Ingredients to serve 10 people	
For the spaghetti	For the sauce
1000g/35 oz plain flour	10 tablespoons olive oil
10 eggs	5 onions
	2000g/70 oz fresh chopped tomatoes
	50 leaves of fresh basil

$4 \rightarrow [x?] \rightarrow 10$ $10 \div 4 = 2.5$ Need 2.5x everything

(b) Use the information given in the recipe to complete this statement.

500g = 28 oz
 100g is 3.5 oz
 $\therefore 8$ $100g = 3.5$

[3]

[1]