



Proportion Exam Practice

Q1. Here are the ingredients needed to make 12 treacle bakes.

50 g of treacle

200 g of butter

200 g of flour

10 ml of milk

a) Work out how much butter is required to make 18 treacle bakes.

Answer: _____
(2 marks)

b) Erin is making a batch of treacle bakes, and uses 40 ml of milk.
How many bakes does she make?

Answer: _____
(2 marks)



Q2. Here is a recipe which will make 36 currant buns:

300 g flour
75 g sugar
40 g currants
225 g butter
15 g yeast

Amy has 200 g flour, 100g of butter and plenty of sugar, currants and yeast. Work out the maximum number of buns she can make.

Answer: _____
(2 marks)



Q3. The main ingredients in a beef stew are beef, potatoes and carrots.

To make enough stew for 4 people, you need:
500 g beef, 350 g potatoes and 120 g carrots.
Sian wants to make stew for 10 people.

Complete the ingredients list below:

Beef: _____g

Potatoes: _____g

Carrots _____g

Answer: _____
(3 marks)



Q4. In a recipe, 270g of flour is required to make 8 cakes. Joy has 850 g of flour available. If she wants to make 26 cakes, does she have enough? You must show your working.

Answer: _____
(3 marks)



Q5. To make 450 chocolates, a Timothy used the following ingredients:

900 g cocoa, 1.2 kg sugar, 2.55 kg butter, and 24 g salt.

Complete the recipe he followed below:

Chocolate Treats: makes 30 chocolates

Cocoa: _____ g Sugar: _____ g

Butter: _____ g Salt: _____ g

Answer: _____

(3 marks)



Q6. At the supermarket, eggs can be bought in boxes of 6. Ron's recipe for a cake requires 8 eggs. He wishes to make 17 cakes for the church fete. Work out how many boxes of eggs will he need to buy.

Answer: _____
(3 marks)



Q7. Here is the nutritional information on the back of MegaFlakes cereal:

Values:	Per 100 g:	Per 40 g serving:	%RDI: *
Energy	360 kcal	_____ kcal	____%
Fat	2.75 g	_____ g	1%
Salt	_____ g	0.24 g	3%

Each pack contains approximately 16 servings	(*) % of Recommended Daily Intake (RDI) contained in a 40g serving based on an average adult's 2000 kcal daily intake
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a) Complete the nutritional information section above.

Answer: _____
(3 marks)

b) Emma is an endurance athlete. She requires approximately 3500 kcal a day, and eats proportionally bigger servings. Assuming that she eats one serving per day, work out how many packs she will need to buy in a 4 week period.

Answer: _____
(3 marks)



Q8. Joan wants to make 16 nut slices. The recipe makes 36 slices, using 750 gram of flour. However, she knows from experience that this is 10% too much for her taste. Work out how much flour she will use to make the slices to her preference.

Answer: _____
(3 marks)