



Proportion Exam Practice

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

200 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. (2 marks)

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

(3 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

(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.

(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

(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.

(2 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.

(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.

(4 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.

(3 marks)