



FUNCTIONAL SKILLS MATHEMATICS

AQA | Edexcel | City & Guilds | Open Awards | NCFE | Highfield

Level 1

Proportion

Materials

- You **cannot** use a calculator for **questions** with this symbol.



Instructions

- Answer **all** questions.
- Answer questions on separate paper.

Information and Advice

- The marks for each question are shown in brackets – use this as a guide on how long to spend on each question.
- Read each question carefully before you answer it.
- Check you answers.



Q1 Jermaine has a recipe for making cookies. The recipe says to use 200 g of chocolate chips for every egg used. Jermaine is going to use 3 eggs.
How many grams of chocolate chips will he need to use?
[1 mark]

Q2 Rick is making soup. The recipe says to use 2 litres of hot water for every 600 g of carrots used. Rick is going to use 1200 g of carrots.
How much hot water should Rick use?
[1 mark]

Q3 Alana is making some bread rolls. The recipe says to use 2 teaspoons of salt for every 500 g of white flour used. Alana is going to use 6 teaspoons of salt.
How much white flour should Alana use?
[1 mark]

Q4 Theo is making a coffee. He adds 500 ml of hot water to 20 g of coffee. This makes 2 cups. He wants to make 4 cups.
4(a) How much coffee should Theo use?
[1 mark]

4(b) How much hot water should Theo use?
[1 mark]



Q5 Michelle is making a chicken casserole. Her recipe says to use 1 stock cube for every 400 g of chicken. This recipe serves 2 people.
Michelle wants to make chicken casserole for 8 people.
5(a) How many stock cubes will she need to use?
[1 mark]

5(b) How much chicken will she need to use?
[1 mark]



Q6 Neil is a builder. To make concrete he uses 5 kg of cement, 6 litres of water, and 25 kg of aggregate. Neil is going to use 10 kg of cement instead.

6(a) How much water will he need to use?

[1 mark]

6(b) How much aggregate will he need to use?

[1 mark]

Q7 Angela has a recipe for a mocktail. She wants to make a big batch of this mocktail for her and her friends. Here is her recipe:

Limeade:	300 ml
Lemonade:	150 ml
Orange Juice:	50 ml

This recipe makes 2 servings. Work out how much of each ingredient Angela would need to make 10 servings.

[2 marks]

Q8 Matteo is making a pasta bake, using the ingredients below:

300 g of pasta
500 g of sauce
100 g of cheese

This recipe makes 4 servings. Work out how much of each ingredient Matteo would need to make 12 servings.

[2 marks]