

LEVEL 1

Group B made shortbread.

Flour comes in bags of 1.5kg.

Sugar comes in bags of 1kg.

Shortbread recipe

300g plain flour

200g butter

100g sugar

The recipe makes 24 pieces of shortbread.

1a) What is the total weight of the shortbread batter which this recipe produces?

(1 marks)

1b) Represent the shortbread recipe as a ratio for **Plain Flour : Butter : Sugar**

(3 marks)

Group B sold one piece of shortbread for 30p.

At the end of the week, they had sold 443 pieces of shortbread.

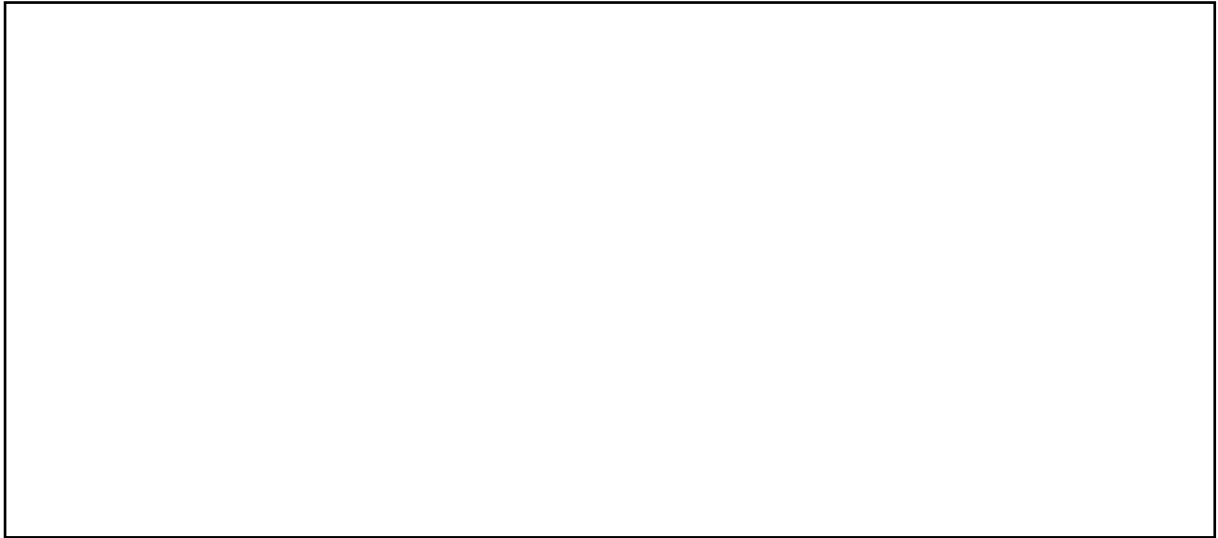
The ingredients cost £17.00.

Group A gave £150 to charity.

1g Was this more or less than Group B?

(3 marks)

Show your working and explain your answer.



1g Was this more or less than Group B?

(3 marks)

The Farewell

LEVEL 1

At the end of term, two tutors will be leaving.

James and Lucy are the tutors who are leaving.

The staff and students have decided to buy them gifts.

Clare collected money for the gifts.

Task 1 – Collecting the Money

14 members of staff gave £5 each.

1a. How much money did the staff give, in total?

Show your working.

(1 mark)

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There are 54 students.

Two thirds of the students gave Clare money on Monday.

1b. How many students gave Clare money on Monday?

Show your working.

(2 marks)

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- 1b) Represent the students donation habits as a ratio for
Monday : Rest of the Week

(3 marks)

LEVEL 2

Emma finds the following recipe for bird feed on a website:

'Make your own bird feed by mixing 3 parts of seed with 2 parts of nuts'.

Emma already has 2.7kg of seeds but no nuts.

The local pet shop sells nuts in 1kg bags at 68p per bag.





2g How many bags of nuts will Emma have to buy to mix with all the seeds she already has and what will it cost her? (4 marks)

Show working below.

Level 2

To make the concrete for the fountain and a seating area, the builder will mix cement, sand and stone together with water.

The table below shows how much cement : sand : stone he would mix with water to make **0.3m³ of concrete**.

Cement	Sand	Stone	mixed with water makes	Concrete
				
2 bags (1 = 50kg)	3 wheelbarrows	3 wheelbarrows		0.3m³

The builder works out he needs a total of **1.8m³ of concrete**.

How much cement, sand and stone will he need to mix with water to make **1.8m³ of concrete**?

Show your working

Cement _____ bags

Sand _____ wheelbarrows

Stone _____ wheelbarrows

(4 marks)