Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Proportion

Calculator Allowed

INSTRUCTIONS TO CANDIDATES

Write your name in the space provided.

Write your answers in the spaces provided in this question paper.

Answer ALL questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

Total Marks :

1) **(a)** The following ingredients are required in making 24 tray-bakes.

224 g digestive biscuits
112 g margarine
112 g butter
176 g icing sugar
400 g of crushed pineapple
224 g of cream

Jane wishes to make 30 tray-bakes. How much margarine and icing sugar will she require?

Answer Margarine _____ g

Icing sugar _____ g [3]

(b) How many tray-bakes would require 168 g of cream?

Answer _____ [1]

2) Some of the ingredients for making rough puff pastry are listed.
225 g plain flour
180 g butter
150 ml chilled water

Nancy wishes to use exactly 300 g of plain flour. How much butter and chilled water will she now need to use?

Answer _____ g butter

_____ ml water [3]

3) Some of the ingredients required to make 30 chocolate muffins are listed below.

600 g plain flour
540 g caster sugar
300 g chocolate chips
24 fl oz milk
6 medium eggs

Calculate the amounts of ingredients required to make 20 chocolate muffins.

_____ g plain flour

_____ g caster sugar

_____ g chocolate chips

_____ fl oz milk

_____ medium eggs   [3]

4) The ingredients for apple crumble for 6 people are listed.

   6 cooking apples
   75 g margarine
   150 g sugar
   300 g flour

Complete the recipe to make apple crumble for 10 people.

Answer ____10____ cooking apples

_____ g margarine

_____ g sugar

_____ g flour   [2]

5) To feed 30 people John makes

   20 beef sandwiches
   36 cheese sandwiches
   52 ham sandwiches

How many of each would he need to make for 45 people?

Answer beef _____

cheese _____

ham _____ [3]

6) *You will be assessed on the quality of your written communication in this question.*

Two friends, Lisa and Neil, use the same recipe with six ingredients to make cheese scones for different numbers of people.

- Lisa used 200 g of flour, 1 teaspoon of mustard and 50 g of butter along with the other ingredients to make cheese scones for 10 people.

- Neil used 1 teaspoon of salt, 100 g of cheese and 250 ml of milk along with the other ingredients to make cheese scones for 20 people.

How much flour, mustard, butter, salt, cheese and milk are needed to make enough scones for 100 people?
You must show all your working. [6]

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7)

Ingredients to make
4 pancakes

55g plain flour
1 egg
100ml milk
37·5ml water
25g butter

Useful information, metric and imperial units:

4 ounces is approximately 110g
25ml of milk or water is approximately 1 fluid ounce

(a) Using the recipe shown above, calculate the quantity of plain flour needed to make 48 pancakes. Give your answer in ounces. [3]

(b) Jerry works in a school kitchen.
She uses the recipe information for pancakes shown above.
She has measured out the plain flour, milk and butter and placed them with the eggs in a large bowl.
Jerry measures out 150 fluid ounces of water to add to her other pancake ingredients in the bowl.
How many pancakes is Jerry making? [3]