Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Writing Ratio

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.



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1)

The ingredients needed to make raspberry pancakes are shown in the table below. Some of the quantities are missing.

(a) Fill in the missing quantities in the table.

[4]

	8 pancakes	16 pancakes	80 pancakes
Flour	100 g		1000 g
Eggs	1	2	10
Milk		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2500 ml
Melted Butter	1 tablespoon	2 tablespoons	10 tablespoons
Raspberries	150 g	300 g	

(b) Write down the ratio of the weight of flour to the weight of raspberries in its simplest form. [2]

Flour : Raspberries

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2)

Ian works in a bakery. He is making some cakes. He has a table showing the ingredients for different quantities of cakes.

Fill in the spaces in the table.

[3]

Ingredient	1 cake	cakes
flour	200 g	kg
butter	g	0·4 kg
sugar	150 g	1·2 kg
eggs	2	16

There are 5 different colours of marbles in a bag. One marble is selected at random from the bag. The probabilities of selecting some of the colours are shown in the table below.

Colour of marble	Orange	Red	Purple	Yellow	Black
Probability	0.1	0.06			

The probability of selecting a yellow marble is double the probability of selecting a purple marble. The probability of selecting a black marble is double the probability of selecting a yellow marble.

(a) Write down the ratio of

purple marbles : yellow marbles : black marbles.		

	Purple marbles : yellow marbles : black marbles = :	
(1-)	O supplete the table	
(b)	Complete the table. You must show your working.	5]
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