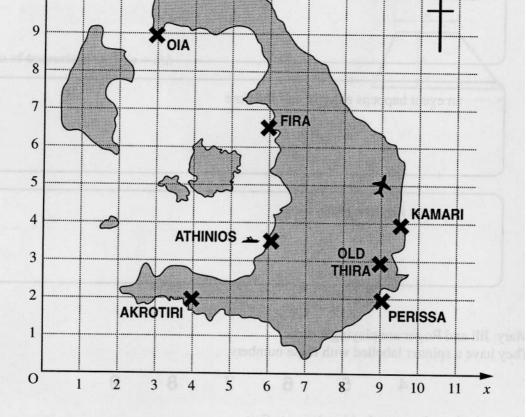
General Certificate of Secondary Education 1966/2341B MATHEMATICS C (Graduated Assessment) FOUNDATION TERMINAL PAPER - SECTION B 1 hour Afternoon 8 JUNE 2004 Tuesday Candidates answer on the question paper. Additional materials: Geometrical instruments Tracing paper (optional) Pie chart scale (optional) Can Electronic calculator Centre Number Nu Candidate Name TIME 1 hour INSTRUCTIONS TO CANDIDATES Write your name, Centre number and candidate number in the boxes above. Answer all the questions. Write your answers, in blue or black ink, on the dotted lines unless the question says other Read each question carefully and make sure you know what you have to do before star answer. There is a space after most questions. Use it to do your working. In many questions mar given for a correct method even if the answer is incorrect. INFORMATION FOR CANDIDATES You are expected to use a calculator in Section B of this paper. The number of marks is given in brackets [ ] at the end of each question or part question The total number of marks for this Section is 50. Section B starts with question 13. Use the  $\pi$  button on your calculator or take  $\pi$  to be 3-142 unless the question says other FOR EXAMINE Section B

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(a) Which town is at (9, 3)?

(a)

(b) What are the coordinates of the airport \*\*?

(b)(...., ....

(c) The volcano is at  $(4\frac{1}{2}, 5\frac{1}{2})$ .

Mark the volcano on the map with an  $\times$  . Label it V.

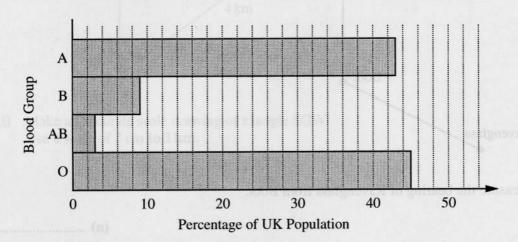
- (d) Complete.
  - (i) Perissa is south of ...... and it is ..... of Akrotiri.
  - (ii) Kamari is ..... of Oia.

(1) Nine thousand eight numered people live on Santoring

Write this number in digits.

(f) .....

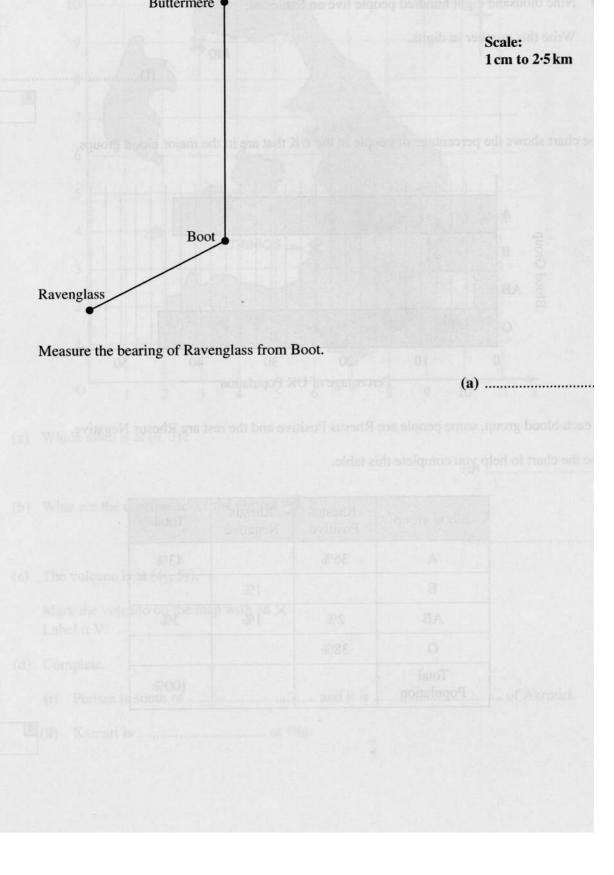
15 The chart shows the percentage of people in the UK that are in the major blood groups.

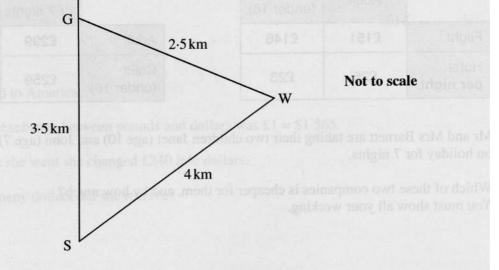


In each blood group, some people are Rhesus Positive and the rest are Rhesus Negative.

Use the chart to help you complete this table.

Blood group	Rhesus Positive	Rhesus Negative	Total
A	36%		43%
В		1%	
AB	2%	1%	3%
0	38%		
Total Population			100%





(i) Make an accurate scale drawing of triangle SGW. Use a scale of 2 cm to 1 km.

(ii) Use your drawing to find the bearing of W from G.

(b)(ii) .....

Flight	£151	£146
Hotel per night	£26	£23

Adult	£299
Child (under 16)	£259

Mr and Mrs Barnett are taking their two children Janet (age 10) and John (age 7) on holiday for 7 nights.

Which of these two companies is cheaper for them, and by how much? You must show all your working.

1.					
(a)	 is	cheaner	hv	£	
	 **	cheuper	Uy	-	**************************

- (b) Mrs Barnett changes £720 into euros.
  - (i) Use this formula to change £720 into euros.

$$E = P \times 5 \div 3$$

where P is the amount in pounds (£) and E is the amount in euros (€).

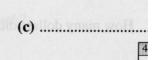
(b)(i) €.....

			(ii) £
18	8 Pat travelled to America.		
	The rate of exchange between pounds and dollars was £1	= \$1.565.	
	(a) Before she went she changed £240 into dollars.		
	How many dollars did she receive?		
			(a) \$
	(b) While in New York she bought some perfume.		
	The perfume cost \$28.17. The same perfume cost £22.50 in England.		
	How much less did the perfume cost in New York? Give your answer in pounds.		
			(b) £

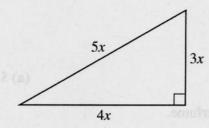
(L)	0	On
(D)	8x =	δU

16	

(c) 
$$4x - 5 = 17$$



0 The diagram shows a right-angled triangle.



Not to scale

Write, as simply as possible, expressions for

(a) the perimeter of this triangle,

(a) .....

(b) the area of this triangle.

(b) .....

4

16 g fresh yeast 250 ml warm water 2 tablespoons olive oil 1 teaspoon salt 420 g plain flour

Bake at 425 °F for 10 minutes

(a) He wants to make 6 pizzas.

Complete the list to show how much of each ingredient he should use.

g fresh yeast
ml warm water
tablespoons olive oil

..... teaspoon salt

.....g plain flour

(b) The pizzas are baked at 425 °F.

Marco's oven shows the temperature in °C.

Use this formula to convert 425 °F to °C.

$$C = (F - 32) \times \frac{5}{9}$$

where C is the temperature in °C, F is the temperature in °F.