

OXFORD CAMBRIDGE AND RSA EXAMINATIONS General Certificate of Secondary Education								
MATHEMA PAPER 1 S FOUNDATIO	TICS B (MEI) SECTION A DN TIER	1968/2311A						
Monday	5 JUNE 2006	Afternoon	45 minutes					
Candidates ans Additional mater Geometrical Tracing pape	wer on the question paper. rials: instruments er (optional)							
			Candidata					

Candidate Name	Centre Number	Candidate Number

TIME 45 minutes

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, in the spaces provided on the question paper.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- Show all your working. Marks may be given for working which shows that you know how to solve the problem, even if you get the answer wrong.

INFORMATION FOR CANDIDATES

- 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 36.



FOR EXAMINER'S USE						
Section A						
Section B						
TOTAL						

This question paper consists of 11 printed pages and 1 blank page.

Formula Sheet: Foundation Tier





1 (a)

3 4 18 25 40 63 81

3

From this list write down

(i) a multiple of 6,

(**a**)(**i**)[1]

(ii) a factor of 20,

(**ii**)[1]

(iii) the square root of 9.

(**iii**)[1]

(b) Fill in the gaps.

FRACTION DECIMAL PERCENTAGE $\frac{1}{4}$ 0.25 = = 0.3 30% = = $\frac{9}{100}$ 9% = =

[3]

2 (a) Maria buys a sandwich costing £1.85 and a can of drink costing 72p. She pays with a £5 note.

How much change should she get?

(a) £[3]

(**b**) Work out.

(i) 25% of 600

(b)(i)[2]

(ii) $\frac{2}{5}$ of 45

(ii)[2]

(c) Write down a calculation you can do in your head to estimate the value of

 98×4.2

3 (a) Solve.

(i) 8x = 40

(**a**)(**i**)[1]

(ii) x + 7 = 18

(**ii**)[1]

(b) Find the value of 6a - 2b when a = 3 and b = 7.

(b)[2]

4 Tariq went to London for the day. He spent a total of £160.

The pie chart shows how he spent the money.



How much did he spend on cinema tickets?

£[2]

5 Draw a line from each shape to the expression for its perimeter. The first one has been done for you.



[3]

6 The stem and leaf diagram shows the amount, in pounds, spent on fuel by some motorists last week.

(a) How many motorists were asked?

(a)[1]

(b) Find the median amount spent.

(**b**) £[1]



9

(a) Make a full-size drawing of this cuboid on the isometric grid.

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																			[2]

(b) Work out the total surface area of this cuboid.

7

8 Here are the ingredients for a recipe.

SHREWSBURY BISCUITS
200g flour 100g butter 80g sugar 50g raisins
makes 20 biscuits

(a) Clare uses the recipe to make some biscuits. She uses 100g of raisins.

How many biscuits does she make?

(**a**)[1]

(b) Felipe makes 30 biscuits.

Calculate how much sugar he uses.

(b)g [2]



Calculate the area of this trapezium. Give the units of your answer.

.....[3]

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