

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
TOTAL	



General Certificate of Education
Advanced Subsidiary Examination
June 2013

Use of Mathematics

UOM4/1

Applying Mathematics Paper 1

Friday 24 May 2013 9.00 am to 10.00 am

For this paper you must have:

- a clean copy of the Data Sheet (enclosed)
- a graphics calculator
- a ruler.

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen. Pencil should only be used for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- Write the question part reference (eg (a), (b)(i) etc) in the left-hand margin.
- You must answer each question in the space provided for that question. If you require extra space, use an AQA supplementary answer book; do **not** use the space provided for a different question.
- Do not write outside the box around each page.
- Show all necessary working; otherwise marks for method may be lost.
- Do all rough work in this book. Cross through any work that you do not want to be marked.
- The **final** answer to questions requiring the use of tables or calculators should normally be given to three significant figures.
- You may **not** refer to the copy of the Data Sheet that was available prior to this examination. A clean copy is enclosed for your use.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 30.

Advice

- You do not necessarily need to use all the space provided.



J U N 1 3 U O M 4 / 1 0 1

QUESTION
PART
REFERENCE

Answer space for question 1

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Turn over ►



QUESTION
PART
REFERENCE

Answer space for question 2

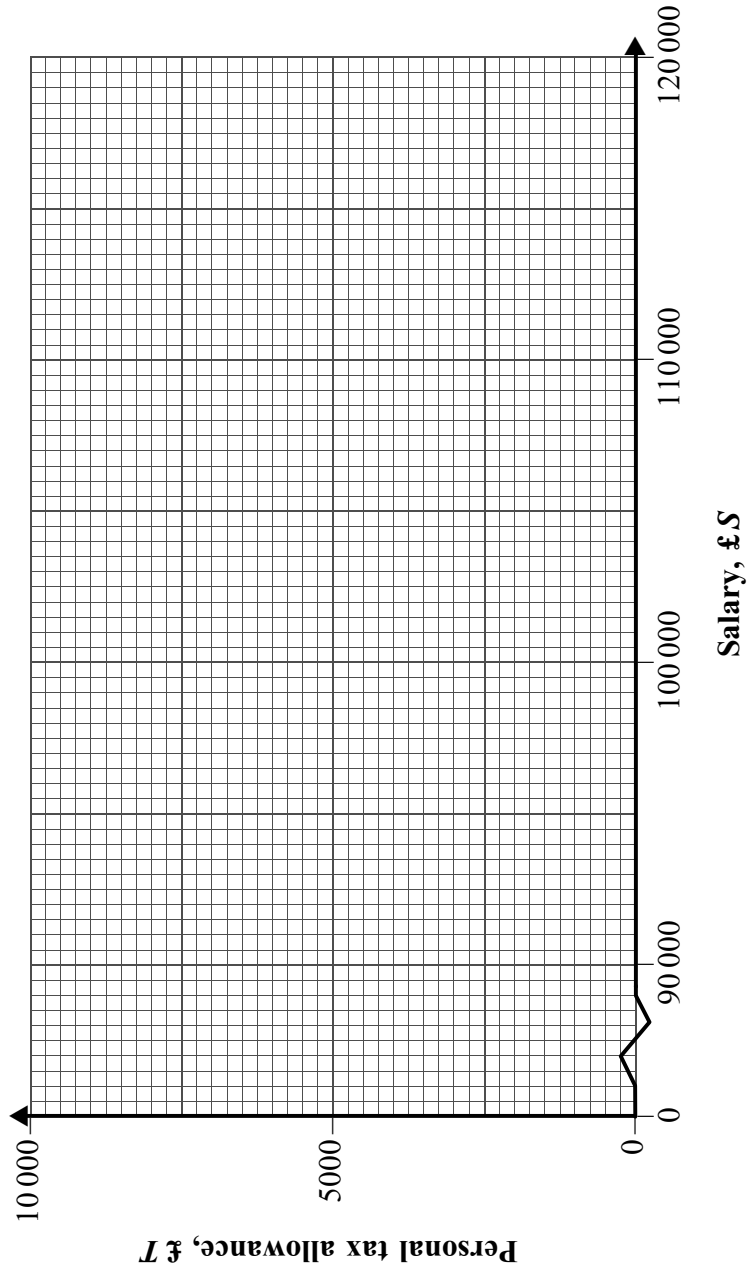
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Turn over ►



QUESTION
PART
REFERENCE

Answer space for question 3



Turn over ►



4

For someone earning more than £ 150 000 in 2011–2012, find an equation for their take-home pay, £ I , in the form $I = a + bS$, where £ S is their salary and a and b are constants that you should find. (4 marks)

QUESTION
PART
REFERENCE

Answer space for question 4



QUESTION
PART
REFERENCE

Answer space for question 4

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Turn over ►

QUESTION
PART
REFERENCE

Answer space for question 5

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QUESTION
PART
REFERENCE

Answer space for question 6

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There are no questions printed on this page

**DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED**

