

Centre No.						Paper Reference						Surname	Initial(s)		
Candidate No.						5	5	4	3	F	/	10	A	Signature	

Paper Reference(s)

5543F/10A

Edexcel GCSE

Mathematics B (Modular) – 2544

Paper 10 – Section A (Calculator)

Foundation Tier

Unit 3 Test

Thursday 8 March 2007 – Afternoon

Time for Section A: 30 minutes

Materials required for examination

Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser, calculator. Tracing paper may be used.

Items included with question papers

Nil

Examiner's use only

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Team Leader's use only

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Section	Leave Blank
A	
B	



Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature. Check that you have the correct question paper. Answer ALL the questions. Write your answers in the spaces provided in this question paper. **You must NOT write on the formulae page. Anything you write on the formulae page will gain NO credit.** If you need more space to complete your answer to any question, use additional answer sheets.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2). This section has 8 questions. The total mark for this section is 25. The total mark for this paper is 50. There are 8 pages in this question paper. Any blank pages are indicated. **Calculators may be used for Section A only.** If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.

Advice to Candidates

Show all stages in any calculations. Work steadily through the paper. Do not spend too long on one question. If you cannot answer a question, leave it and attempt the next one. Return at the end to those you have left out.

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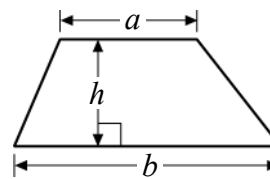
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GCSE Mathematics (Modular) 2544

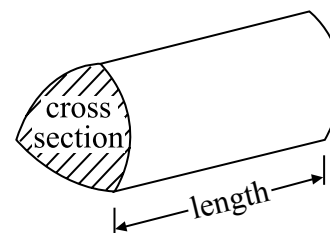
Formulae: Foundation Tier

**You must not write on this formulae page.
Anything you write on this formulae page will gain NO credit.**

Area of trapezium = $\frac{1}{2}(a + b)h$



Volume of prism = area of cross section \times length



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Write your answers in the spaces provided.

1. (a) Write the number **nineteen thousand, four hundred and eighty two** in figures.

(1)

.....
(1)

(1)

(Total 3 marks)

Q1

1



2. Here are some patterns made up of dots.



Pattern number 1



Pattern number 2



Pattern number 3

(a) In the space below, draw Pattern number 4

(1)

(b) Complete the table for Pattern number 4 and Pattern number 5

Pattern number	1	2	3	4	5
Number of dots	1	4	7		

(1)

(Total 2 marks)

Leave
blank

Q2





3.		Leave blank
<div></div>		
(a) Write down the coordinates of the point P .		
		(..... ,) (1)
(b) (i) On the grid, plot the point $(0, 2)$. Label the point Q .		
(ii) On the grid, plot the point $(-3, -2)$. Label the point R .		(2)
(Total 3 marks)		Q3 <input type="text"/>
4. Write these numbers in order of size. Start with the smallest number.		
(a) $-6,$ $2,$ $-1,$ $0,$ -3		
	 (1)
(b) $0.6,$ $0.64,$ $0.06,$ $0.604,$ 0.064		
	 (1)
(Total 2 marks)		Q4 <input type="text"/>





<p>5. (a) Use your calculator to work out the value of $\sqrt{976} - 24.6$</p> <p>Write down all the figures on your calculator display.</p> <p>.....</p> <p>(2)</p> <p>(b) Write your answer to part (a) correct to 1 significant figure.</p> <p>.....</p> <p>(1)</p> <p>(Total 3 marks)</p>	<p>Leave blank</p> <p>Q5</p> <div></div>
<p>6. (a) Write 37% as a fraction.</p> <p>.....</p> <p>(1)</p> <p>(b) Work out 37% of £415</p> <p>£</p> <p>(2)</p> <p>(Total 3 marks)</p>	<p>Q6</p> <div></div>



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7.

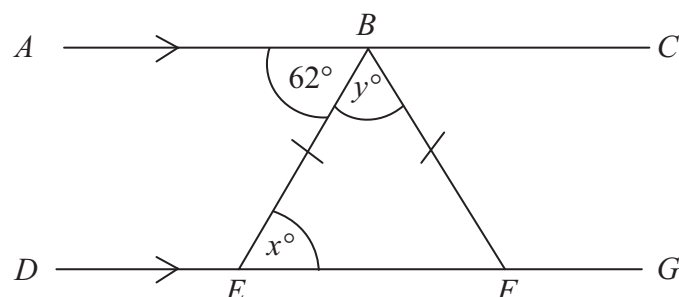


Diagram **NOT**
accurately drawn

ABC and $DEFG$ are straight lines.
 AC is parallel to DG .
 $BE = BF$.
Angle $ABE = 62^\circ$.

(a) (i) Find the value of x .

$x = \dots\dots\dots$

(ii) Give a reason for your answer.

$\dots\dots\dots$

(2)

(b) Work out the value of y .

$y = \dots\dots\dots$

(2)

(Total 4 marks)

Q7



8.

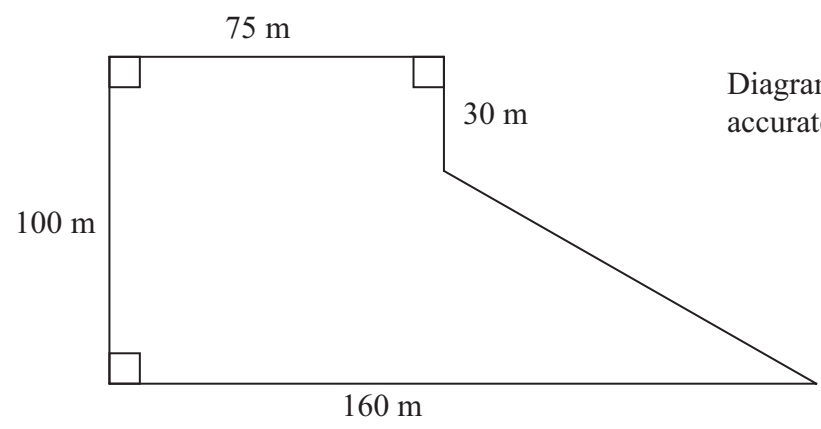


Diagram **NOT**
accurately drawn

The diagram shows the plan of a field.
The farmer sells the field for £3 per square metre.
Work out the total amount of money the farmer should get.

Leave
blank

£
(Total 5 marks)

Q8

TOTAL FOR SECTION A: 25 MARKS

END

