

Centre No.						Paper Reference						Surname	Initial(s)	
Candidate No.						5	5	1	1	/	11	B	Signature	

Paper Reference(s)

5511/11B

Edexcel GCSE

Mathematics B – 1388

Paper 11 – Section B (Calculator)

Foundation Tier

Module Test 2

Thursday 8 March 2007 – Afternoon

Time for Section B: 25 minutes

Examiner's use only

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Team Leader's use only

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**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

**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 6 questions. The total mark for this section is 19. The total mark for this paper is 38.

There are 8 pages in this question paper. Any blank pages are indicated.

**Calculators may be used for Section B only.**

If your calculator does not have a  $\pi$  button, take the value of  $\pi$  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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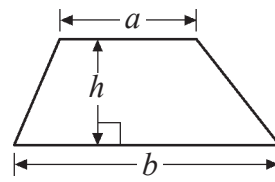
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**GCSE Mathematics 1387/8**

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 =  $\frac{1}{2}(a+b)h$**



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







SECTION B


Answer ALL SIX questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1. The pictogram shows the number of books a shop sold on each of Monday, Tuesday and Wednesday.

Monday	   
Tuesday	 
Wednesday	  
Thursday	

Key:  = 4 books

- (a) Write down the number of books the shop sold on Tuesday.

.....  
(1)

The shop sold 6 books on Thursday.

- (b) Use this information to complete the pictogram.

(1)

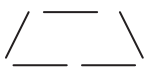
Q1

(Total 2 marks)

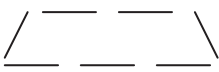


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2. Here are some patterns made from sticks.



Pattern number 1



Pattern number 2



Pattern number 3

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

Pattern number 4

(1)

Here is a rule for working out the number of sticks used to make each of these patterns.

number of sticks = 2 × Pattern number + 3

(b) Work out the number of sticks used to make Pattern number 10.

.....  
(2)

A pattern is made from 31 sticks.

(c) Work out the Pattern number.

.....  
(2)

(Total 5 marks)

Q2



3.

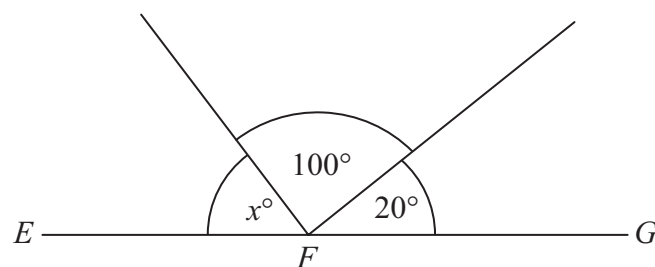


Diagram **NOT**  
accurately drawn

$EFG$  is a straight line.

(a) (i) Work out the value of  $x$ .

$x = \dots\dots\dots$

(ii) Give a reason for your answer.

..... (2)

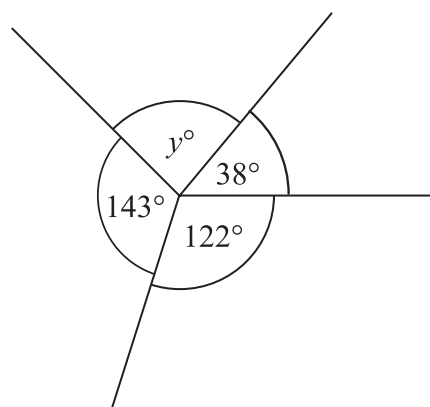


Diagram **NOT**  
accurately drawn

(b) Work out the value of  $y$ .

$y = \dots\dots\dots$   
(2)

(Total 4 marks)

Q3



<p>4. Use your calculator to work out the value of</p> $6.3^2 - \sqrt{8.2}$ <p>Write down all the figures on your calculator display.</p> <p>.....</p> <p>(Total 2 marks)</p>	<p>Leave blank</p> <p><b>Q4</b></p> <input type="text"/>
<p>5. Colin goes on a day trip to France. The exchange rate is £1 = 1.40 euros.</p> <p>Colin changes £150 to euros.</p> <p>Work out how many euros he should get.</p> <p>..... euros</p> <p>(Total 2 marks)</p>	<p><b>Q5</b></p> <input type="text"/>



<p>6. Sarah buys a bag of 8 apples. 3 of the apples are red.</p> <p>(a) What fraction of the apples in the bag are red?</p> <p>.....</p> <p>(1)</p> <p>A box contains 20 oranges. 7 of the oranges are bad.</p> <p>(b) (i) What percentage of the oranges in the box are bad?</p> <p>..... %</p> <p>(ii) What percentage of the oranges in the box are <b>not</b> bad?</p> <p>..... %</p> <p>(3)</p> <p>(Total 4 marks)</p>	<p>Leave blank</p> <p>Q6</p>
<p>TOTAL FOR SECTION B: 19 MARKS TOTAL FOR PAPER: 38 MARKS</p> <p>END</p>	



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