

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

Tuesday 7 November 2006 – 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 8 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 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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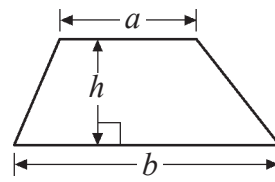
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GCSE Mathematics 1387/8

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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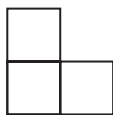
SECTION B

Answer ALL EIGHT questions.

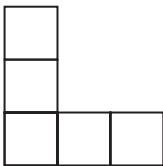
Write your answers in the spaces provided.

You must write down all stages in your working.

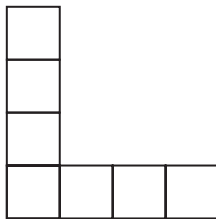
1. Susan makes some patterns using squares.



Pattern number 1



Pattern number 2



Pattern number 3

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

Pattern number 4

(1)

(b) Complete the table.

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

(1)

(c) Work out the number of squares in Pattern number 9.

(1)

Q1

(Total 3 marks)



2. This rule can be used to work out the time, in minutes, needed to cook a chicken.

Multiply the chicken’s weight, in kg, by 40
Then add 20

A chicken’s weight is 2.5 kg.
Work out the time, in minutes, needed to cook this chicken.

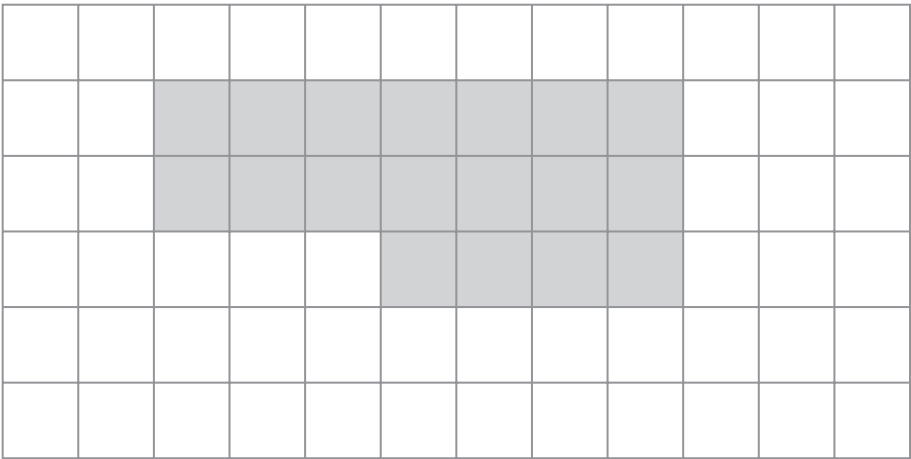
..... minutes

(Total 2 marks)

Leave
blank

Q2

3.



A shaded shape is shown on the grid of centimetre squares.

(a) Find the perimeter of the shaded shape.

..... cm
(1)

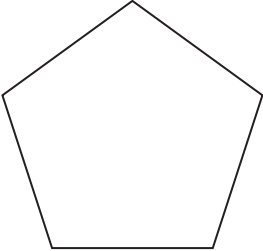
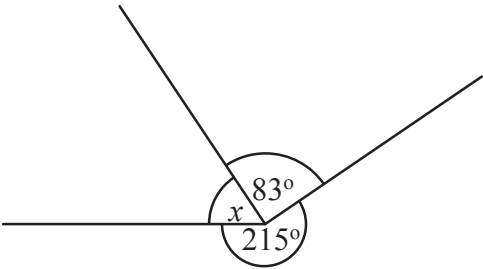
(b) Find the area of the shaded shape.

..... cm²
(1)

(Total 2 marks)

Q3



<div>4.</div> <div></div> <div>Write down the special name of this polygon.</div> <div>.....</div> <div>(Total 1 mark)</div>	<div>Leave blank</div> <div>Q4</div> <div></div>
<div>5.</div> <div>A pack of cards costs 85p. Jack has £10 Jack buys as many packs of cards as he can. Work out the amount of change that Jack should get from £10 Give your answer in pence.</div> <div>..... p</div> <div>(Total 3 marks)</div>	<div>Q5</div> <div></div>
<div>6.</div> <div><div></div><div>Diagram NOT accurately drawn</div></div> <div>(i) Work out the size of angle x.</div> <div>.....°</div> <div>(ii) Give a reason for your answer.</div> <div>.....</div> <div>(Total 2 marks)</div>	<div>Q6</div> <div></div>



<p>7. Solve $4x + 3 = 9$</p>	Leave blank
<p>$x = \dots\dots\dots$</p> <p>(Total 2 marks)</p>	<p>Q7</p> <div></div>
<p>8. Here is a list of ingredients for making apple fool for 6 people.</p> <div><p>Apple fool for 6 people</p><p>900 g cooking apples</p><p>100 g sugar</p><p>300 ml cream</p></div> <p>(a) Work out the weight of cooking apples needed to make apple fool for 2 people.</p> <p>$\dots\dots\dots$ g</p> <p>(2)</p> <p>(b) Work out the amount of cream needed to make apple fool for 9 people.</p> <p>$\dots\dots\dots$ ml</p> <p>(2)</p> <p>(Total 4 marks)</p>	<p>Q8</p> <div></div>
<p>TOTAL FOR SECTION B: 19 MARKS</p> <p>TOTAL FOR PAPER: 38 MARKS</p> <p>END</p>	



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