

Centre No.						Paper Reference							Surname	Initial(s)	
Candidate No.						5	3	8	1	F	/	5	B	Signature	

Paper Reference(s)

5381F/5B

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 5 – Section B (Non-Calculator)

Foundation Tier

Unit 1 Test – Data Handling

Thursday 11 June 2009 – Morning

Time for Section B: 20 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.
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.
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 5 questions. The total mark for this section is 15. The total mark for this paper is 30.
There are 8 pages in this question paper. Any blank pages are indicated.
Calculators may be used for Section A only.

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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SECTION B

Answer ALL FIVE questions.

Write your answers in the spaces provided.

You must NOT use a calculator in this section.

You must write down all stages in your working.

1. The table shows some information about 4 cars for sale.

Type of car	Number of doors	Number of previous owners	Cost in £
Saloon	4	0	17 200
Coupé	3	2	12 500
Sports	2	3	14 950
Estate	5	2	11 300

(a) How many doors does the Coupé have?

.....
(1)

(b) Which type of car costs less than £12 000?

.....
(1)

Simon picks a car at random.

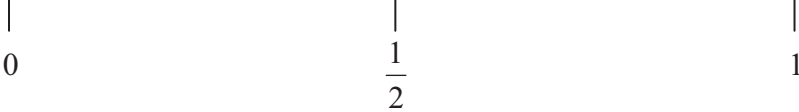
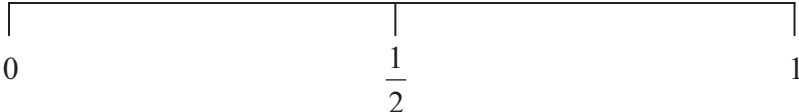
(c) Write down the probability that Simon will pick a car with exactly two previous owners.

.....
(2)

(Total 4 marks)

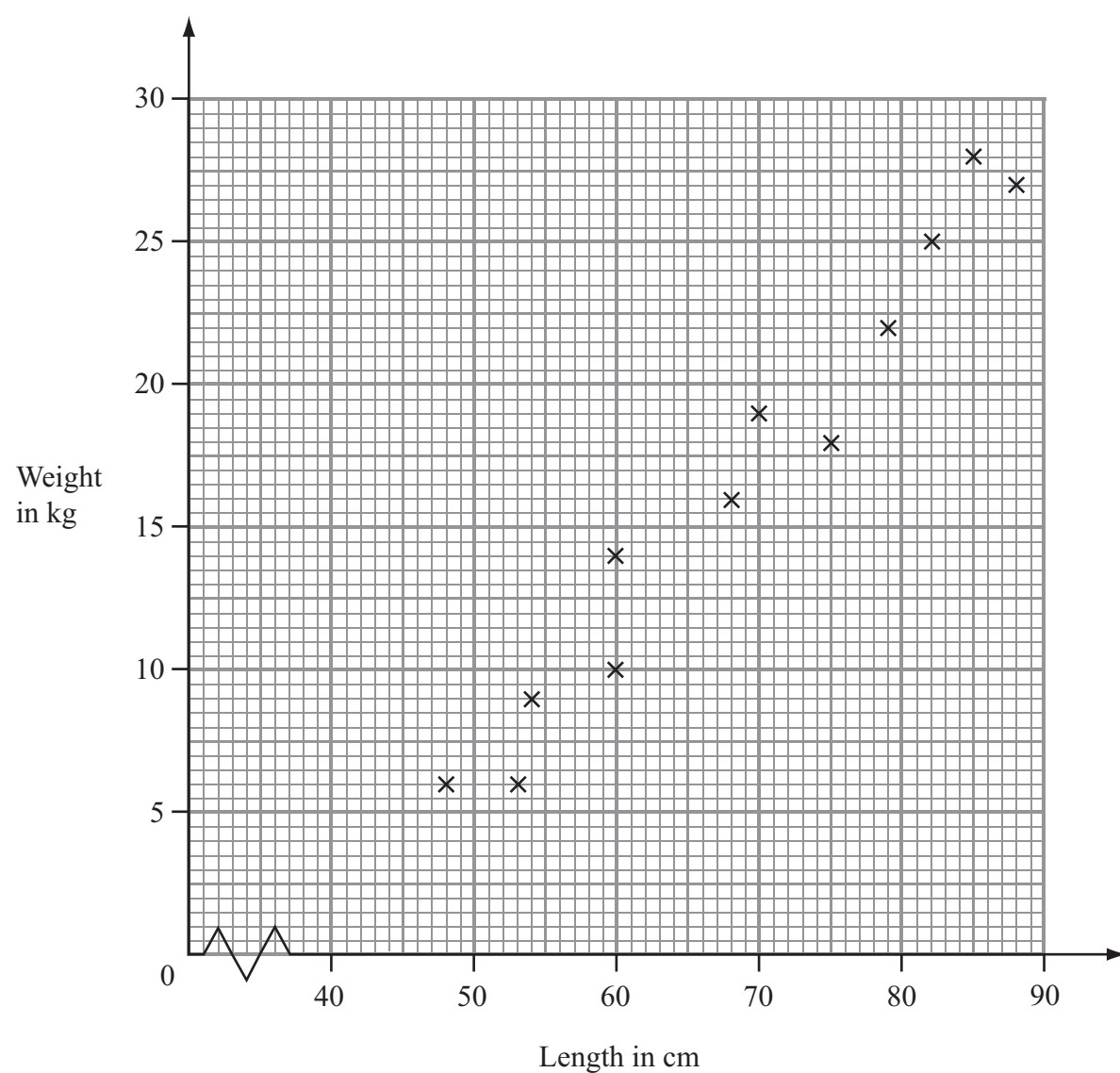
Q1



<p>2. In a box, there are 11 coloured bricks. 5 bricks are red, 2 bricks are blue, 3 bricks are orange and 1 brick is green.</p> <p>Sally takes one of these bricks at random.</p> <p>(a) On the probability scale, mark with a letter R, the probability that Sally will take a red brick.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(1)</p> <p>(b) On the probability scale, mark with a letter W, the probability that Sally will take a white brick.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">(1)</p> <p style="text-align: right;">(Total 2 marks)</p>	<div>Leave blank</div> <div>Q2</div> <div></div>
<p>3. Leah wants to find out which newspapers her friends read.</p> <p>Design a data collection sheet that she can use to carry out a survey.</p> <p style="text-align: right;">(Total 3 marks)</p>	<div>Q3</div> <div></div>



4. Sanji goes fishing for pike.
The scatter graph shows information about the weights and the lengths of some of the pike Sanji caught.



- (a) Describe the relationship between the weight and the length of these pike.

..... (1)

Sanji also caught a pike of weight 24kg and length 78 cm.

- (b) Show this information on the scatter graph.

(1)

<p>A pike has a length of 65 cm.</p> <p>(c) Estimate the weight of this pike.</p> <p>..... kg (2)</p> <p>(Total 4 marks)</p>	<p>Leave blank</p> <p>Q4</p> <div></div>
<p>5. The diagram shows a 3-sided spinner and an ordinary dice.</p> <div data-bbox="583 961 1287 1181"></div> <p>The spinner has 1 green side, 1 blue side and 1 red side.</p> <p>Alex spins the spinner once and rolls the dice once.</p> <p>Write down all the possible outcomes. One has already been done for you.</p> <p>(g, 1)</p> <p>.....</p> <p>.....</p> <p>(Total 2 marks)</p>	<p>Q5</p> <div></div>
<p>TOTAL FOR SECTION B: 15 MARKS</p> <p>TOTAL FOR PAPER: 30 MARKS</p> <p>END</p>	



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