

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

Tuesday 3 March 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. Here is a pictogram.
It shows the number of books read by Asad, by Betty, and by Chris.

Asad	
Betty	
Chris	
Diana	
Erikas	

Key
 represents 4 books

- (a) Write down the number of books read by
- (i) Asad,
-
- (ii) Chris.
-
- (2)

Diana read 12 books.
Erikas read 9 books.

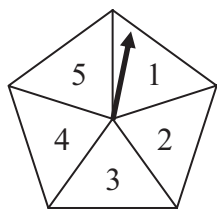
- (b) Show this information on the pictogram.
- (2)
- (Total 4 marks)

Q1



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2. Ishah spins a fair 5-sided spinner.
She then throws a fair coin.



- (a) List all the possible outcomes she could get.
The first one has been done for you.

(1, head).....
.....
(2)

Ishah spins the spinner once and throws the coin once.

- (b) Work out the probability that she will get a 1 and a head.

.....
(1)

(Total 3 marks)

Q2

3. Zoe recorded the weight of each of 15 people.
She showed her results in a stem and leaf diagram.

4	6	8
5	1	2 8
6	0 3 4	6 8
7	4 7 8	9
8	7	

Key:

4|6 means 46 kg

- (a) Write down the number of people with a weight of more than 70kg.

.....
(1)

- (b) Work out the range of the weights.

..... kg
(2)

(Total 3 marks)

Q3



N 3 4 6 6 4 A 0 3 0 8

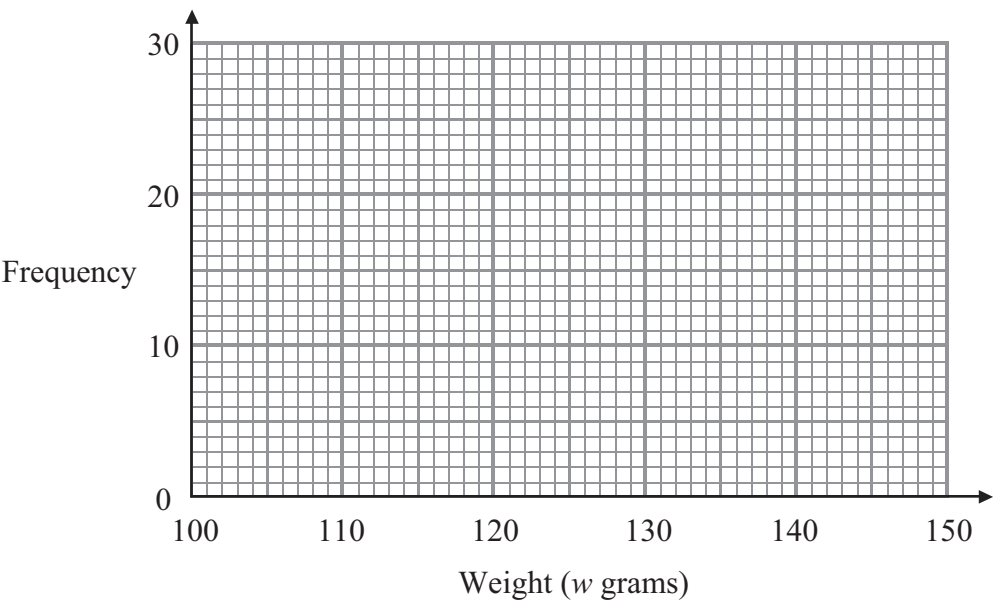
<p>4. James wants to find out how many text messages people send.</p> <p>He uses this question on a questionnaire.</p> <div><p>“How many text messages do you send?”</p><table><tr><td><div></div><p>1 to 10</p></td><td><div></div><p>11 to 20</p></td><td><div></div><p>21 to 30</p></td><td><div></div><p>more than 30</p></td></tr></table></div> <p>(a) Write down two things wrong with this question.</p> <p>1</p> <p>.....</p> <p>2</p> <p>.....</p> <p>(2)</p> <p>James asks 10 students in his class to complete his questionnaire.</p> <p>(b) Give one reason why this may not be a suitable sample.</p> <p>.....</p> <p>.....</p> <p>(1)</p> <p>(Total 3 marks)</p>	<div></div> <p>1 to 10</p>	<div></div> <p>11 to 20</p>	<div></div> <p>21 to 30</p>	<div></div> <p>more than 30</p>	<p>Leave blank</p> <p>Q4</p> <div></div>
<div></div> <p>1 to 10</p>	<div></div> <p>11 to 20</p>	<div></div> <p>21 to 30</p>	<div></div> <p>more than 30</p>		



5. The table shows some information about the weights (w grams) of 60 apples.

Weight (w grams)	Frequency
$100 \leq w < 110$	5
$110 \leq w < 120$	9
$120 \leq w < 130$	14
$130 \leq w < 140$	24
$140 \leq w < 150$	8

Draw a frequency polygon to show this information.



(Total 2 marks)

TOTAL FOR SECTION B: 15 MARKS

TOTAL FOR PAPER: 30 MARKS

END

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Q5



N 3 4 6 6 4 A 0 5 0 8

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