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

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 5 – Section B (Non-Calculator)

Foundation Tier

Unit 1 Test – Data Handling

Monday 15 November 2010 – Morning

Time for Section B: 20 minutes

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.

Turn over

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SECTION B

Answer ALL FIVE questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

You must NOT use a calculator in this section.

1. Here is a pictogram.
    It shows information about the number of boxes of dominoes sold on Monday, on Tuesday and on Wednesday one week.

Monday	⚫⚫ ⚫⚫
Tuesday	⚫⚫ ⚫⚫ ⚫⚫ ⚫
Wednesday	⚫⚫ ⚫
Thursday	
Friday	

Key: ⚫⚫ represents 8 boxes

(a) Write down the number of boxes of dominoes sold

    (i) on Monday,

    ....

    (ii) on Wednesday.

    ....
                                                                    (2)

There were 24 boxes of dominoes sold on Thursday.
There were 4 boxes of dominoes sold on Friday.

(b) Use this information to complete the pictogram.
                                                                    (2) Q1

(Total 4 marks)

2. 80 people had a drink of coffee or tea or cocoa.

The two-way table shows some information about their drinks.

	Coffee	Tea	Cocoa	Total
Men	16		4	37
Women		23		
Total	27			80

(a) Complete the two-way table.

(3)

(b) How many men did **not** have coffee?

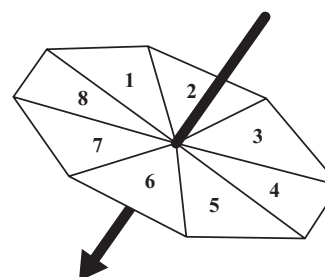.......................................

(1)

(Total 4 marks)

3. Here is a fair 8-sided spinner used in a game, with an equal chance of spinning each number.

Mick spins the spinner once.
He will win the game if the spinner lands on a 1 or a 2 or a 3

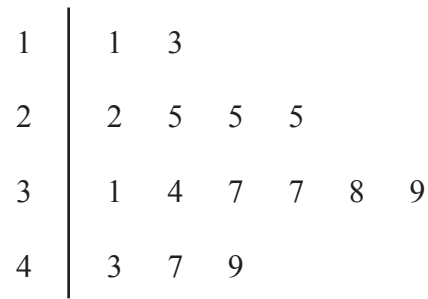Work out the probability that Mick will win the game.

....

(Total 2 marks)

4. Aviva records the ages of 15 people.

She shows her results in a stem and leaf diagram.

```
1 | 1  3
2 | 2  5  5  5
3 | 1  4  7  7  8  9
4 | 3  7  9
```

Key: 4 | 3 represents 43 years

(a) Find the median age.

.... years

(1)

Eli says

"The range of the ages is 8 because 9 − 1 = 8"

(b) Eli is **wrong**.
Explain why.

....

....
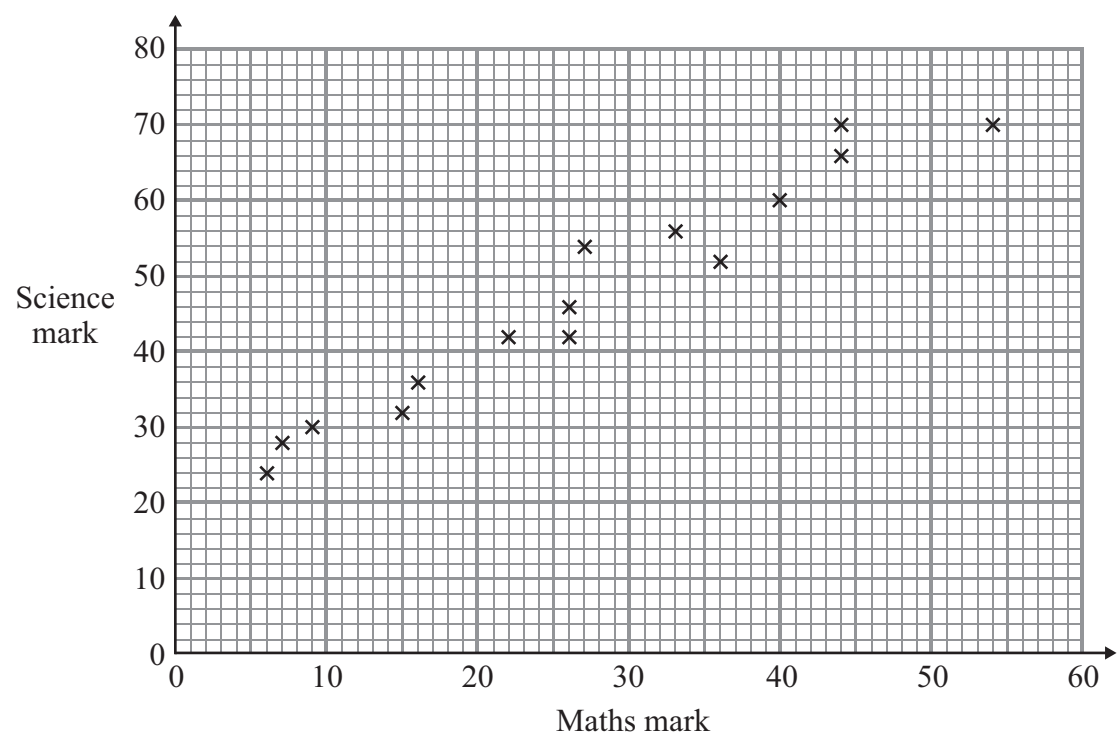
(1)

(Total 2 marks)

Q4

5. 15 students did a Maths test and a Science test.
The scatter graph shows some information about their marks.

Maths mark

(a) Describe the relationship between the Maths marks and the Science marks.

....

....

(1)

(b) Draw a line of best fit on the scatter graph.

(1)

Pierre's Maths mark is 18

(c) Use your line of best fit to find an estimate for Pierre's Science mark.

....

(1)

(Total 3 marks)

TOTAL FOR SECTION B: 15 MARKS
TOTAL FOR PAPER: 30 MARKS

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