Paper Reference(s)

5381F/5B

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 5 – Section B (Non-Calculator)

Foundation Tier

Unit 1 Test – Data Handling

Friday 13 November 2009 – 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 6 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 SIX 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. Alice wrote down the numbers of times 30 students were late.
    Here are her results.

0	2	1	5	8	7	10	11	12	7
11	12	1	4	7	8	12	16	18	6
7	13	14	18	12	8	10	9	0	4

Complete the table.

Number of times late	Tally	Frequency
0 – 5		
6 – 10		
11 – 15		
16 – 20		

(Total 3 marks)

Q1

N 3 4 9 8 0 A 0 2 0 8

2. The dual bar chart gives some information about the numbers of boys and girls in different clubs in a school.
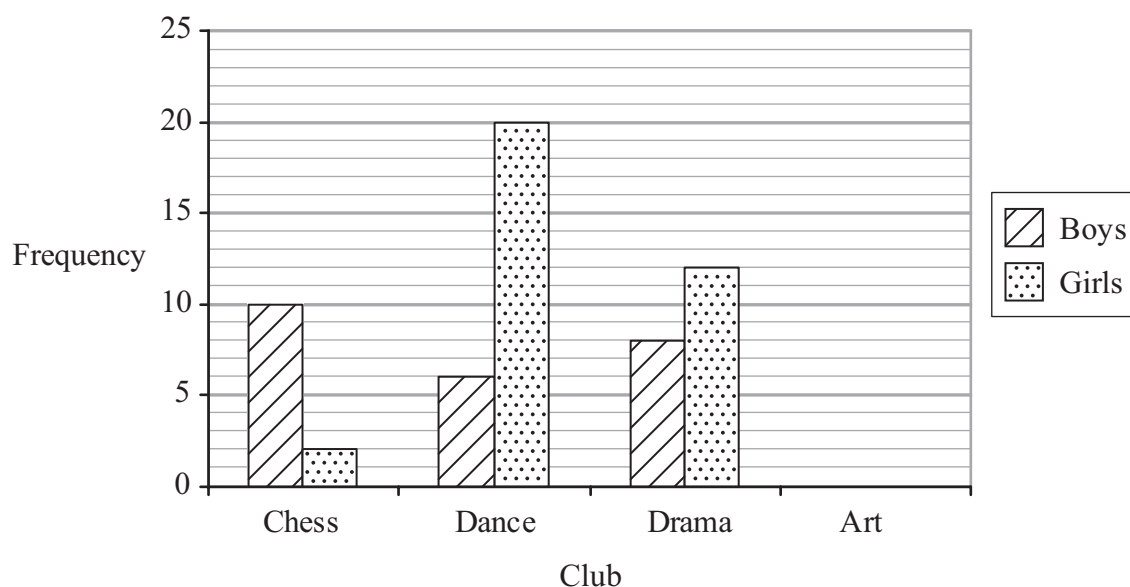
(a) How many boys were in the Chess club?

....
(1)

(b) Work out the total number of students in the Dance club.

....
(1)

There are more girls than boys in the Drama club.

(c) How many more girls?

....
(1)

There are 18 boys and 14 girls in the Art club.

(d) Complete the dual bar chart.

(1)

Q2

(Total 4 marks)

3. Here are 8 letters.

Y   Y   B   B   R   R   R   G

Kumba takes one of the 8 letters at random.

Write down the probability he takes the letter R.

.... **Q3**

(Total 1 mark)

4. Katya wants to find out information about the numbers of men, women, boys and girls using a sports hall.
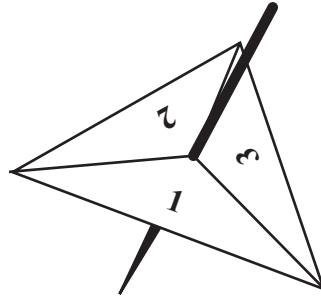
Design a suitable data collection sheet to collect the information.

Q4

(Total 2 marks)

5.

The diagram shows a fair spinner.
The spinner can land on 1 or 2 or 3

Jim spins the spinner twice.

(a) List the possible outcomes.
    One of the outcomes has been done for you.

    (1,1) ....

(2)

Bronwen spins the spinner twice.

(b) Work out the probability that it lands on 1 and then on 3

    ....

(1) **Q5**

(Total 3 marks)

6. 30 students took a test.
The test was marked out of 5

Information about their marks is shown in the table.

Mark	0	1	2	3	4	5
Number of students	0	9	7	3	8	3

(a) Work out the median mark.

....
(1)

Beccy says "The range of the students' marks is 5".

(b) Is Beccy correct?

....

You must give a reason for your answer.

....
(1)

(Total 2 marks)

TOTAL FOR SECTION B: 15 MARKS

TOTAL FOR PAPER: 30 MARKS

END

N 3 4 9 8 0 A 0 6 0 8

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