Edexcel GCSE
Mathematics (Modular) – 2381
Paper 5 – Section A (Calculator)
Unit 1 Test – Data Handling

Mathematics B (Modular) – 2544
Paper 8 – Section A (Calculator)
Unit 2 Test – Data Handling

Foundation Tier
Thursday 13 November 2008 – Morning
Time for Section A: 20 minutes

Materials required for examination	**Items included with question papers**
Ruler graduated in centimetres and millimetres, protractor, compasses, pen, HB pencil, eraser, calculator. Tracing paper may be used.	Nil

Instructions to Candidates
In the boxes above, write your centre number, candidate number, the paper reference, your surname, initials and signature. The paper reference is shown above. If more than one paper reference is shown, you should write the reference of the paper for which you have been entered.
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.
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.

Turn over

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SECTION A

Answer ALL FIVE questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1. The pictogram shows the numbers of hours of sunshine on Monday, Tuesday and Wednesday one week.

Monday	◐ ◐ ◐ ◐
Tuesday	◐ ◐ ◐ ◐ ◐
Wednesday	◐ ◐ ◐
Thursday	
Friday	

Key: ◐ represents 2 hours

(a) Write down the number of hours of sunshine on

   (i) Monday,

   .... hours

   (ii) Wednesday.

   .... hours

   (2)

On Thursday there were 4 hours of sunshine.

(b) Show this on the pictogram.

   (1)

On Friday there were 7 hours of sunshine.

(c) Show this on the pictogram.

   (1)

(Total 4 marks)

2. The table shows some information about six cars.

Make of car	Age (years)	Number of doors	Engine size (litres)
BMW	7	4	2.2
Ford	5	3	1.4
Mazda	8	4	1.8
Skoda	5	5	1.4
Rover	8	5	1.4
Volvo	9	2	2.4

One of these cars has an engine size of 2.4 litres.

(a) Write down the make of this car.

....

(1)

One of these cars is 8 years old and has 4 doors.

(b) Write down the make of this car.

....

(1)

(Total 2 marks)

Q2

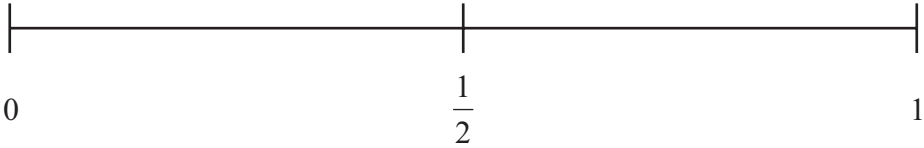**3.** Tom throws an ordinary coin once.

(a) On the probability scale, mark with a cross (**X**) the probability that the coin will show tails.

```
├──────────────┼──────────────┤
0             1/2             1
```

(1)

Tom rolls an ordinary dice once.
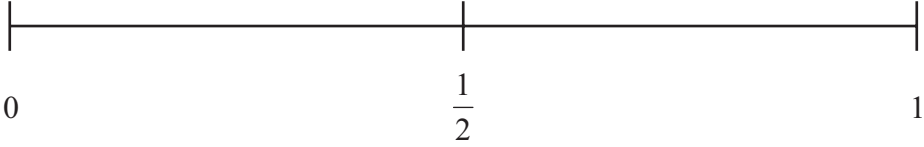
(b) On the probability scale, mark with a cross (**X**) the probability that he will score a number less than 6.

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├──────────────┼──────────────┤
0             1/2             1
```
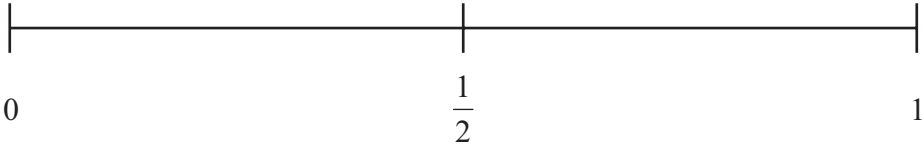
(1)

Tom takes a Maths test.

(c) On the probability scale, mark with a cross (**X**) the probability that he will score more than full marks.

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├──────────────┼──────────────┤
0             1/2             1
```

(1)

(Total 3 marks)

Q3

4. 60 students were asked to choose one of four subjects.

The table gives information about their choices.

Subject	Number of students	Angle
Art	12	72°
French	10	
History	20	
Music	18	

Complete the pie chart to show this information.

Art

(Total 3 marks)

5. Josh asked 30 adults how many cups of coffee they each drank yesterday.

The table shows his results.

Number of cups	Frequency	
0	5	
1	9	
2	7	
3	4	
4	3	
5	2	

Work out the mean.

.... **Q5**

(Total 3 marks)

TOTAL FOR SECTION A: 15 MARKS

END

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