Paper Reference(s)

5381F/5B

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 5 – Section B (Non-Calculator)

Foundation Tier

Unit 1 Test – Data Handling

Thursday 17 November 2011 – 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.

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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. Helen and Robin exercise each week.
   The bar chart shows the number of minutes they each exercised last week.

Minutes exercised last week
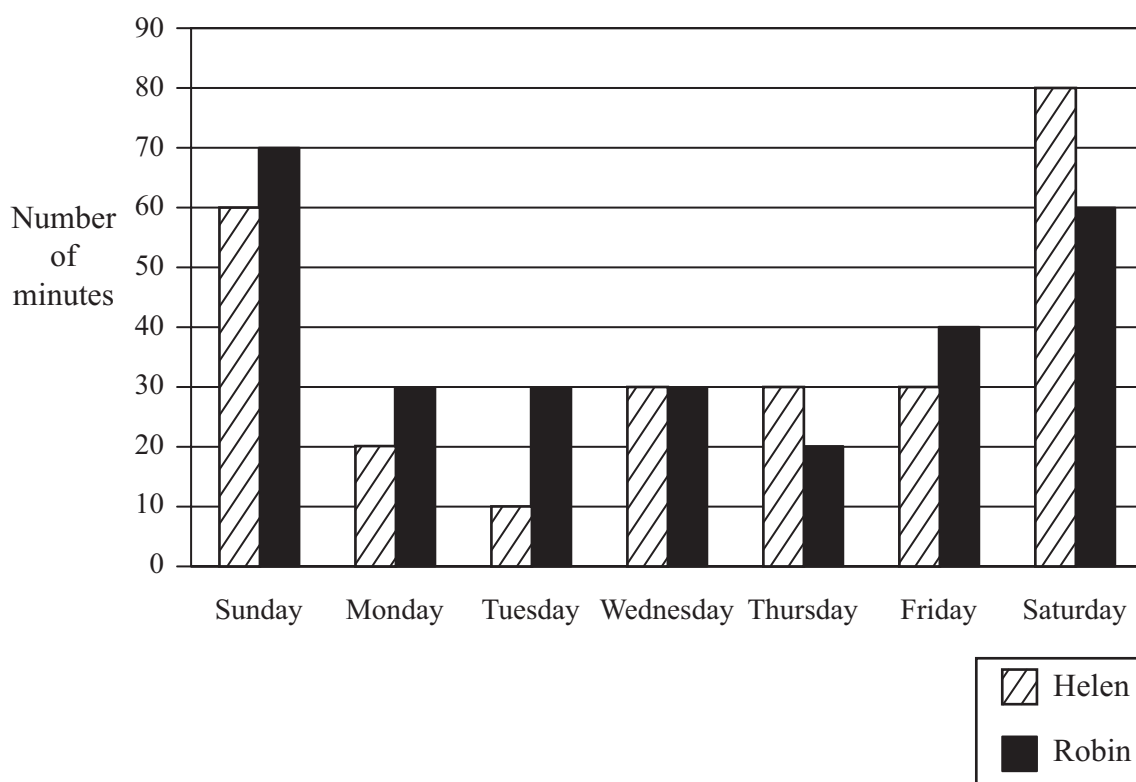
(a) Write down the number of minutes Helen exercised on Monday.

…………. minutes
(1)

(b) On which day did Helen and Robin exercise for the same number of minutes?

……………………
(1)

2

(c) In total, Helen exercised for more minutes than Robin on Friday and Saturday.

How many more minutes?

....

(2)

(Total 4 marks)

2. Nathan flips a coin.

(a) On the probability scale, mark with a cross (×) the probability that the coin lands on tails.

```
   ┌─────────────────────────┬─────────────────────────┐
   0                         1                         1
                             ─
                             2
```
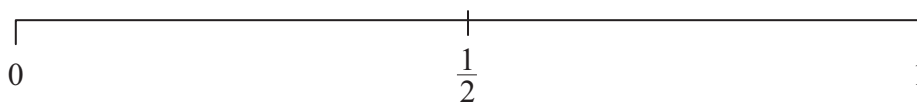
(1)

Dave throws an ordinary 6-sided dice numbered from 1 to 6

(b) On the probability scale, mark with a cross (×) the probability that he throws a 7

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   ┌─────────────────────────┬─────────────────────────┐
   0                         1                         1
                             ─
                             2
```

(1)
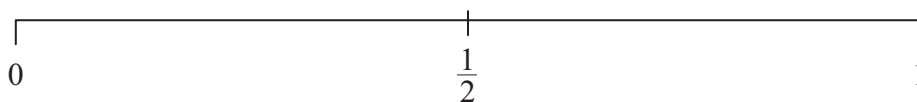
(Total 2 marks)

3. Narinder has 100 songs on his MP3 player.

The two-way table shows some information about these songs.

(a) Complete the two-way table.

	Rock	Pop	Classical	Total
less than 3 minutes	10		0	20
between 3 and 6 minutes		20	10	
over 6 minutes	5			
Total	35	40		100

(3)

Narinder plays, at random, one of these songs.

(b) What is the probability that he plays a Pop song that is between 3 and 6 minutes long?

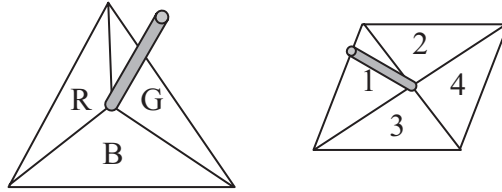.........................

(2)

(Total 5 marks)

Q3

4. The diagram shows two fair spinners.

The 3-sided spinner can land on Red (R) or Green (G) or Blue (B).
The 4-sided spinner can land on 1 or 2 or 3 or 4

Benjamin spins both spinners once.
Write down all the possible outcomes.
One has already been done for you.

(R,1) ....

....

....

....

(Total 2 marks)

5. Nathalie wants to carry out a survey to find out how much money her friends spend on buying music.

She uses this question in a questionnaire.

"How much money do you spend on buying music?"

A little? ☐   Not much? ☐   Quite a lot? ☐

Write down **two** things wrong with this question.

1 ....

....

2 ....

....

(Total 2 marks)

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

END

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