

Centre No.						Paper Reference (complete below)	Surname	Initial(s)
Candidate No.						<b>5</b>	<b>F /</b>	<b>B</b>
							Signature	

Paper Reference(s)

**5542F/8B 5381F/5B**

# Edexcel GCSE

**Mathematics B (Modular) – 2544**

Paper 8 – Section B (Non-Calculator)

Unit 2 Test – Data Handling

**Mathematics (Modular) – 2381**

Paper 5 – Section B (Non-Calculator)

Unit 1 Test – Data Handling

**Foundation Tier**

Thursday 12 June 2008 – 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

Examiner's use only

--	--	--

Team Leader's use only

--	--	--

### 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.**

### 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.

This publication may be reproduced only in accordance with Edexcel Limited copyright policy.  
©2008 Edexcel Limited.

Printer's Log. No.  
**N31439A**

W850/R5542F/57570 6/6/6/2/



*Turn over*

**edexcel**   
advancing learning, changing lives

Leave  
blank

**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 for this section.**

1. Leanne asked each of her friends which one country they would most like to visit.

Here are her results.

USA	France	Italy	USA	France
Australia	USA	Spain	France	Italy
Italy	USA	France	Italy	USA
USA	Spain	USA	Spain	Italy

- (a) Complete the frequency table.

Country	Tally	Frequency
Australia		
France		
Italy		
Spain		
USA		

(2)

- (b) How many friends did Leanne ask?

.....  
(1)

- (c) Write down the mode.

.....  
(1)

**Q1**

**(Total 4 marks)**



Leave  
blank

2. Here are some statements.

Draw an arrow from each statement to the word which best describes its likelihood.

One has been done for you.

A head is obtained when a fair coin is thrown once.

Certain

A number less than 7 will be scored when an ordinary six-sided dice is rolled once.

Likely

It will rain every day for a week next July in London.

Even

A red disc is obtained when a disc is taken at random from a bag containing 9 red discs and 2 blue discs.

Unlikely

Impossible

Q2

(Total 3 marks)

3

Turn over



N 3 1 4 3 9 A 0 3 0 8

Leave blank

3. The stem and leaf diagram shows information about the test marks of 17 students.

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

Key: 2 | 5 = 25 marks

(a) Work out the range.

.....  
(2)

(b) Find the median.

.....  
(1)

Q3

(Total 3 marks)



4. There are 8 pencils in a pencil case.

1 pencil is red.  
4 pencils are blue.  
The rest are black.

A pencil is taken at random from the pencil case.

Write down the probability that the pencil is black.

Leave  
blank

Q4

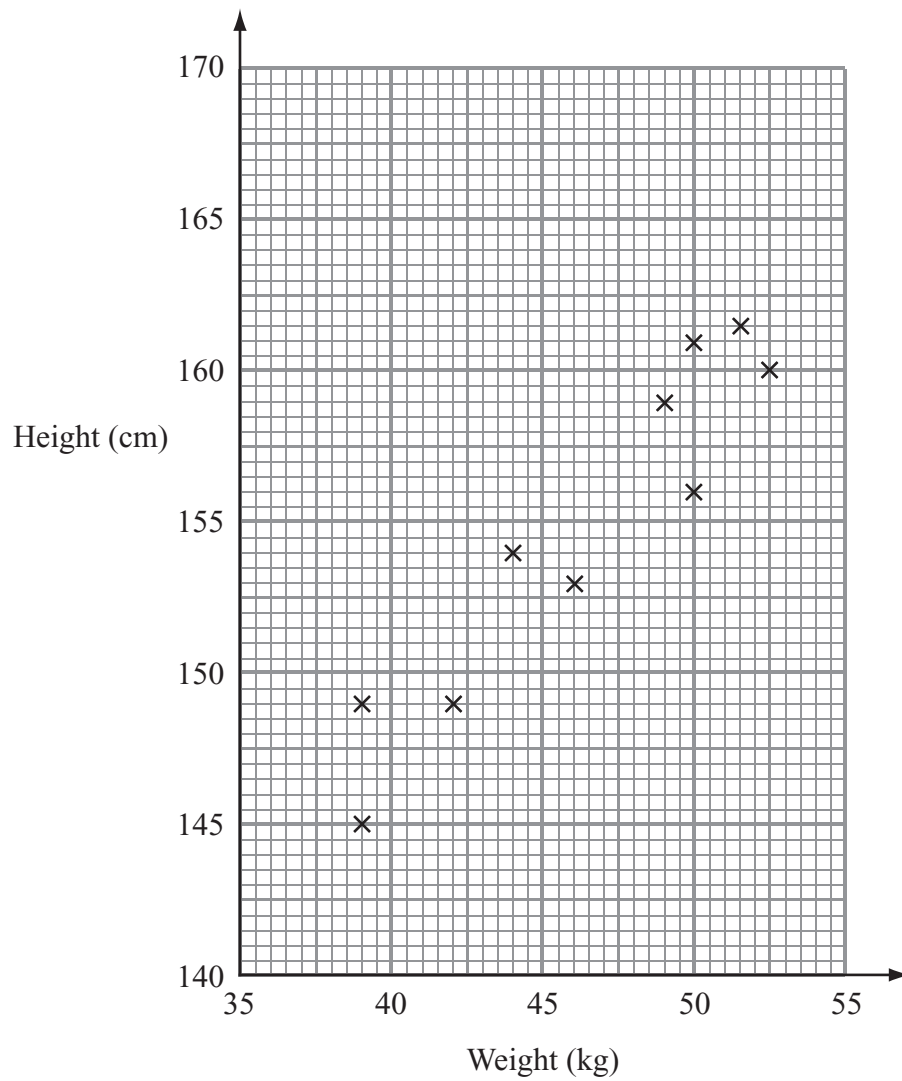
.....  
(Total 2 marks)



Leave blank

5. Jake recorded the weight, in kg, and the height, in cm, of each of ten children.

The scatter graph shows information about his results.



(a) Describe the relationship between the weight and the height of these children.

.....  
.....

(1)

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

(1)

(c) Use your line of best fit to estimate the height of a child whose weight is 47 kg.

..... cm  
(1)

Q5

(Total 3 marks)

**TOTAL FOR SECTION B: 15 MARKS**

**TOTAL FOR PAPER: 30 MARKS**

**END**



**BLANK PAGE**



**BLANK PAGE**

