

Centre No.						Paper Reference							Surname	Initial(s)	
Candidate No.						5	5	4	2	F	/	8	B	Signature	

Paper Reference(s)

5542F/8B

Edexcel GCSE

Mathematics B (Modular) – 2544

Paper 8 – Section B (Non-Calculator)

Foundation Tier

Unit 2 Test

Thursday 8 March 2007 – Morning

Time for Section B: 20 minutes

Examiner's use only

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Team Leader's use only

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**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.  
**You must NOT write on the formulae page. Anything you write on the formulae page will gain NO credit.**  
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 4 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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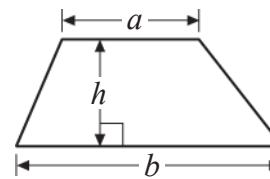
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**GCSE Mathematics (Modular) 2544**

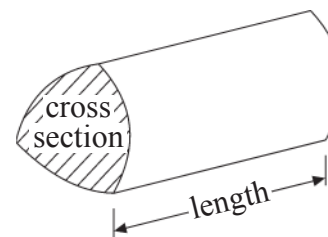
Formulae: Foundation Tier

**You must not write on this formulae page.  
Anything you write on this formulae page will gain NO credit.**

**Area of trapezium** =  $\frac{1}{2}(a + b)h$



**Volume of prism** = area of cross section  $\times$  length





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**SECTION B**

**Answer ALL FOUR 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.** Mary threw a dice 24 times.

Here are the 24 scores.

3 5 3 4 1 2 4 5  
6 2 3 4 3 1 4 3  
2 3 5 5 3 4 2 1

(a) Complete the frequency table.

Score	Tally	Frequency
1		
2		
3		
4		
5		
6		

(3)

(b) Write down the mode.

.....  
(1)

Q1

(Total 4 marks)



N 2 8 9 9 1 A 0 3 0 8



2. 60 students were born in England, Scotland or Wales.  
The two-way table shows some information about these students.

	England	Scotland	Wales	Total
Female			4	40
Male		7		
Total	42	12		60

(a) Complete the two-way table.

(3)

One of the students is picked at random.

(b) Find the probability that this student is male and **not** born in England.

(2)

(Total 5 marks)

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Q2





3. Here are the ages, in years, of some members of a swimming club.

9 12 18 10 9 7 21 30 23 16  
19 32 17 28 15 8 10 15 21 10

Draw an ordered stem and leaf diagram for these ages.  
You must include a key.

0	
1	
2	
3	

Key:

Leave  
blank

Q3

(Total 3 marks)



## Q4

- What do you think of the service in the café?

☐ Excellent
 ☐ Very good
 ☐ Good

- (1)

(2)

- (b) Design a suitable question for his questionnaire to find out how often people visit the town centre.  
You must include some response boxes.

**(Total 3 marks)**

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

**END**



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