Centre No.						Paper Reference								Surname	Initial(s)
Candidate No.						5	5	4	3	F	/	10	B	Signature	

Paper Reference(s)

5543F/10B

Examiner's use only

Team Leader's use only

Edexcel GCSE

Mathematics B (Modular) – 2544

Paper 10 – Section B (Non-Calculator)

Foundation Tier

Unit 3 Test

Thursday 8 March 2007 – Afternoon

Time for Section B: 30 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.
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 8 questions. The total mark for this section is 25. The total mark for this paper is 50.
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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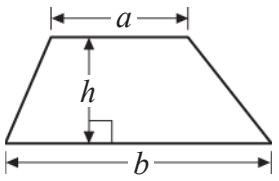
GCSE Mathematics (Modular) 2544

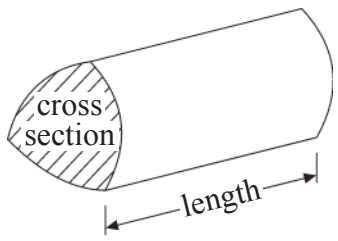
Formulae: Foundation Tier

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 × length



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SECTION B

Answer ALL EIGHT 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. Here is a list of numbers.

2 5 7 8 9 12

Write down a number from the list which is

(i) a multiple of 6,

.....

(ii) a factor of 15,

.....

(iii) a square number.

.....

(Total 3 marks)

Q1

2. (a) Write down the name of the **metric** unit used to measure

(i) the weight of a man,

.....

(ii) the distance from New York to London.

.....

(2)

(b) Change 4 metres to centimetres.

..... cm

(1)

(c) Change 9000 millilitres to litres.

..... litres

(1)

Q2

(Total 4 marks)

Leave blank

3. Chris buys

1 map costing £4.50
1 whistle costing £1.35
2 bars of chocolate costing £0.55 **each**

He pays with a £10 note.

Work out how much change he should get.

£ .....

(Total 3 marks)

Q3

4. Work out 362 × 54
You **must** show all your working.

.....

(Total 3 marks)

Q4

Leave blank

5. A cuboid has

a length of 10 cm,
a width of 5 cm,
a height of 3 cm.

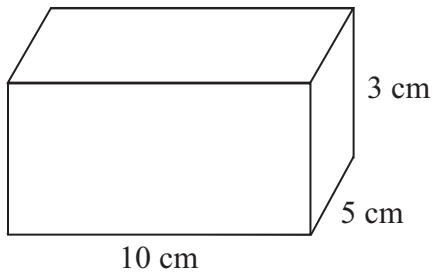


Diagram **NOT** accurately drawn

Work out the volume of the cuboid.

..... cm^3

Q5

(Total 2 marks)

Turn over

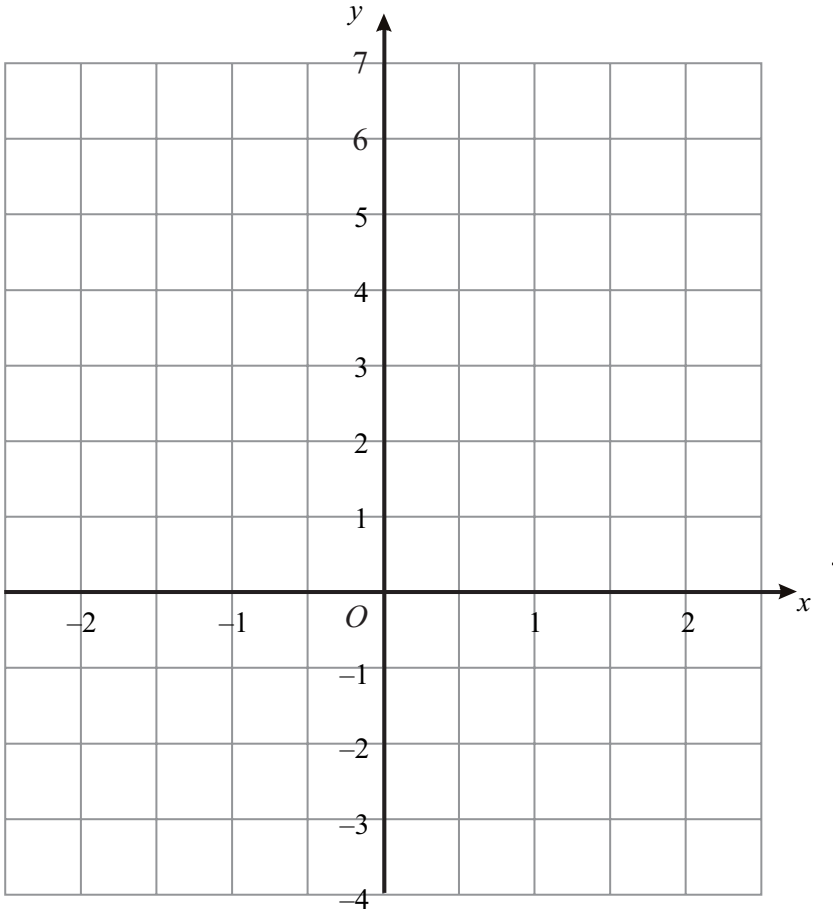
Leave blank

6. (a) Complete the table of values for $y = 2x + 1$

x	–2	–1	0	1	2
y		–1		3	

(2)

(b) On the grid, draw the graph of $y = 2x + 1$



(2)

Q6

(Total 4 marks)

Leave blank

7. (a) Simplify $4e \times 3f$

.....

(1)

(b) Expand $4(2x + 5)$

.....

(1)

(c) Simplify $4r - 2t + 3r - 7t$

.....

(2) **Q7**

(Total 4 marks)

8. Here are the first five terms of an arithmetic sequence.

3 7 11 15 19

Find, in terms of n, an expression for the nth term of the sequence.

Q8

.....

(Total 2 marks)

TOTAL FOR SECTION B: 25 MARKS

TOTAL FOR PAPER: 50 MARKS

END

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