

Centre No.						Paper Reference						Surname	Initial(s)	
Candidate No.						1	3	8	0	/	2	F	Signature	

Paper Reference(s)

1380/2F

Edexcel GCSE

Mathematics (Linear) – 1380

Paper 2 (Calculator)

Foundation Tier

Friday 10 June 2011 – Morning

Time: 1 hour 30 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, calculator. 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).

There are 28 questions in this question paper. The total mark for this paper is 100.

There are 24 pages in this question paper. Any blank pages are indicated.

Calculators may be used.

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.

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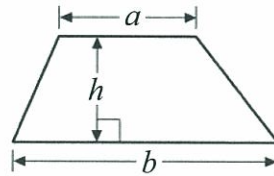
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GCSE Mathematics (Linear) 1380

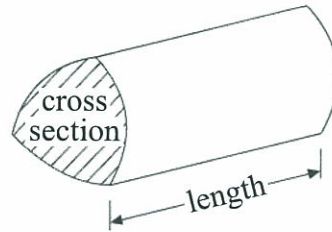
Formulae: Foundation Tier

**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

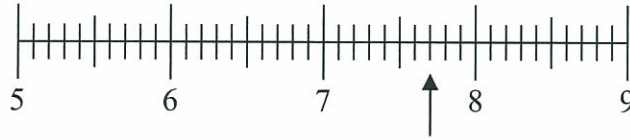


Answer ALL TWENTY EIGHT questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1. (a)



Write down the number marked by the arrow.

7.7
.....
(1)

(b)



Write down the number marked by the arrow.

32
.....
(1)

(c)



Find the number -8.3 on the number line.

Mark it with an arrow (\uparrow).

(1)

Q1

(Total 3 marks)



2. Here is a list of numbers.

2	5	8	10	13	14	16	18
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(a) From the list, write down

(i) an odd number,

5

(ii) the multiple of 6,

18

(iii) the square number.

$4^2 = 16$

16

(3)

Erin says that 8 is a prime number.

(b) Erin is wrong.
Explain why.

A prime number is a positive integer greater than 1 which can only be divided by itself and 1 without leaving a remainder. Since 8 also has factors 2 and 4, it is not a prime number. (1)

(Total 4 marks)

Q2

3.

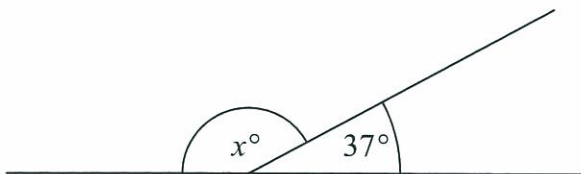


Diagram NOT accurately drawn

(i) Work out the value of x .

$180 - 37 = 143^\circ$

$x = 143^\circ$

(ii) Give a reason for your answer.

Angles across a straight line add to 180°

(Total 2 marks)

Q3

