

Centre No.						Paper Reference						Surname	Initial(s)		
Candidate No.						5	3	8	3	F	/	0	9	Signature	

Paper Reference(s)

5383F/09

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 9 (Calculator)

Foundation Tier

Unit 2 Stage 2

Tuesday 1 March 2011 – Afternoon

Time: 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 9 questions in this question paper. The total mark for this paper is 25.

There are 8 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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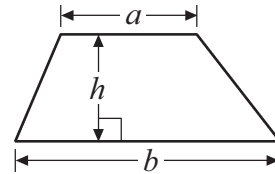
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GCSE Mathematics 2381

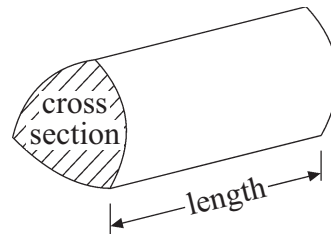
Formulae: Foundation Tier

**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 NINE questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1. (a) Write 12.38 to the nearest whole number.

.....
(1)

(b) Write down the square of 5

.....
(1)

(c) Find the square root of 81

.....
(1)

(Total 3 marks)

Q1

2. (a) Simplify $p + p + p + p$

.....
(1)

(b) Simplify $r \times r \times r$

.....
(1)

(c) Simplify $5t \times 2w$

.....
(1)

(Total 3 marks)

Q2



3. Mark has 650 songs on his MP3 player.

He deletes 74 of these songs.

He then puts 45 new songs on his MP3 player.

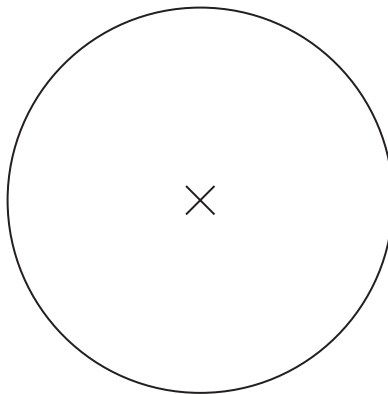
How many songs does Mark now have on his MP3 player?

.....

(Total 2 marks)

Q3

4. In the circle, draw a radius.



(Total 1 mark)

Q4



5. Ally buys

- 1 sketch pad for £6.15
- 3 pencils for 65p each
- 1 packet of crayons for £3.70

She pays with a £20 note.

How much change should she get?

£.....

(Total 3 marks)

Q5



6.

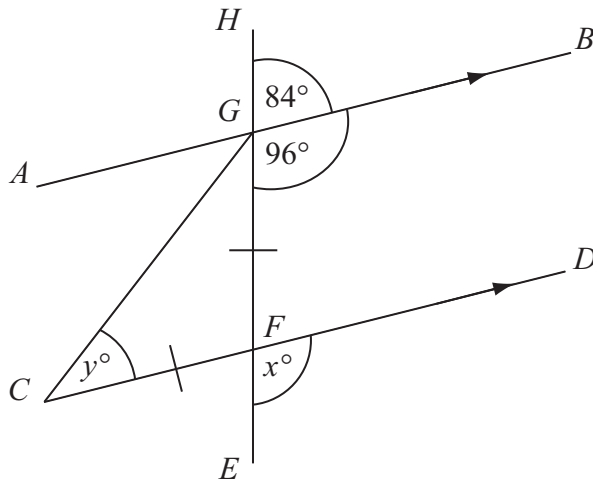


Diagram **NOT** accurately drawn

AGB is parallel to *CFD*.
EFGH is a straight line.
 $CF = GF$.

(a) (i) Write down the value of x .

$x = \dots\dots\dots$

(ii) Give a reason for your answer.

$\dots\dots\dots$ (2)

(b) Work out the value of y .

$y = \dots\dots\dots$ (2)

(Total 4 marks)

Q6

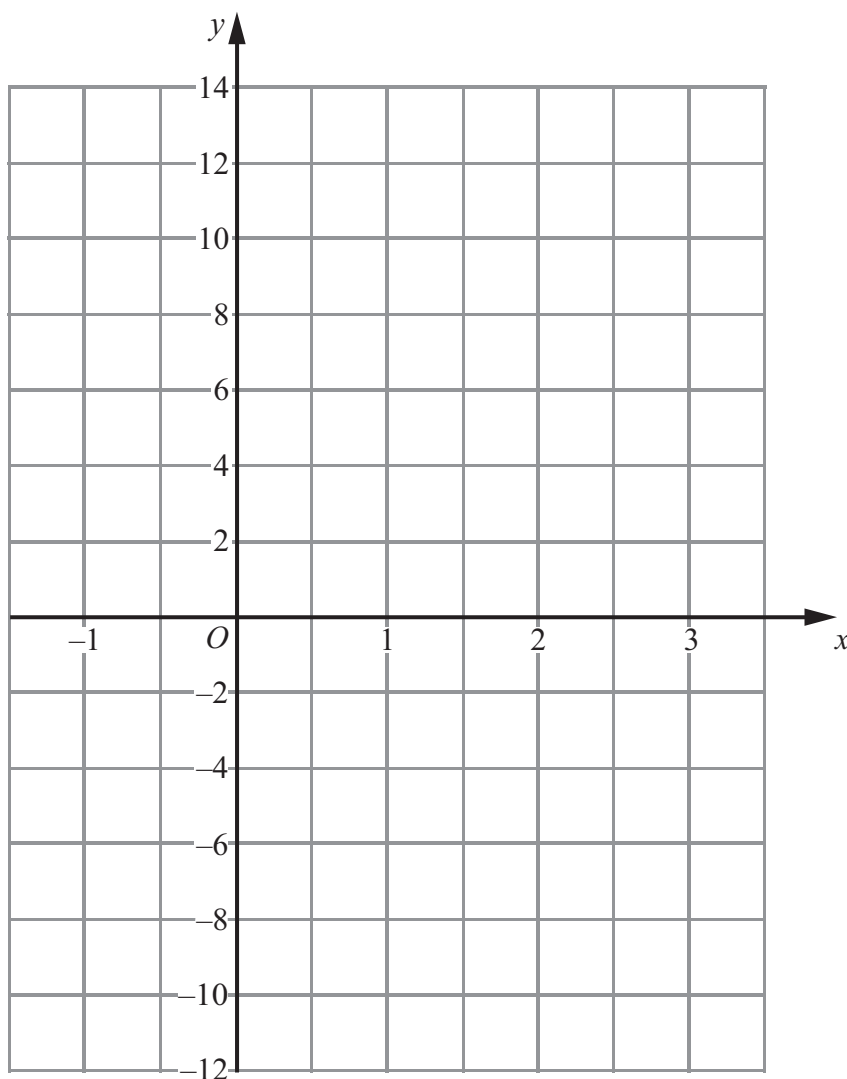


7. (a) Complete the table of values for $y = 6x - 5$

x	-1	0	1	2	3
y		-5			13

(2)

(b) On the grid, draw the graph of $y = 6x - 5$ for values of x from -1 to 3



(2)

(Total 4 marks)

Q7



8. There are 1600 pupils in a school.
55% of the pupils are boys.

Work out the number of girls in the school.

.....

(Total 2 marks)

Q8

9. Here is a solid triangular prism.

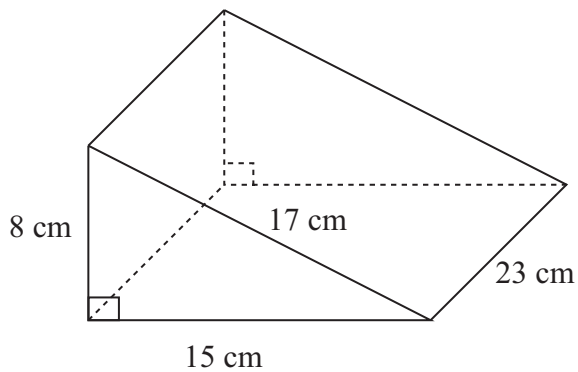


Diagram **NOT**
accurately drawn

Work out the total **surface area** of the prism.

.....cm²

(Total 3 marks)

Q9

TOTAL FOR PAPER: 25 MARKS

END

