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

Paper Reference(s)

5383F/09

Examiner's use only

Team Leader's use only

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 9 (Calculator)

Foundation Tier

Unit 2 Stage 2

Monday 3 March 2008 – Afternoon

Time: 30 minutes

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 10 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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Turn over

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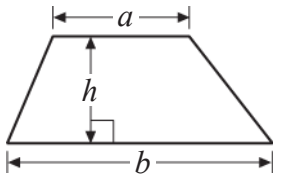
GCSE Mathematics

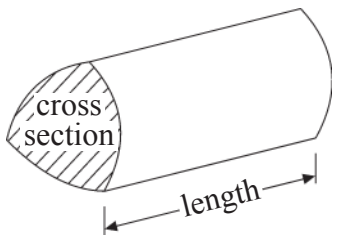
Formulae: Foundation Tier

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



N 3 3 0 4 6 A 0 2 0 8

Leave blank

Answer ALL TEN questions.

Write your answers in the spaces provided.

You must write down all stages in your working.

1. Here is a list of numbers.

2	4	8	12	16	20	32	40

From the list,

(a) write down a square number.

.....
(1)

(b) write down a cube number.

.....
(1) **Q1**

(Total 2 marks)

2. Simplify $d+d+d+d+d$

..... **Q2**

(Total 1 mark)

3. Magazines cost £2.45 each.
Farah buys 3 magazines.
She pays with a £10 note.

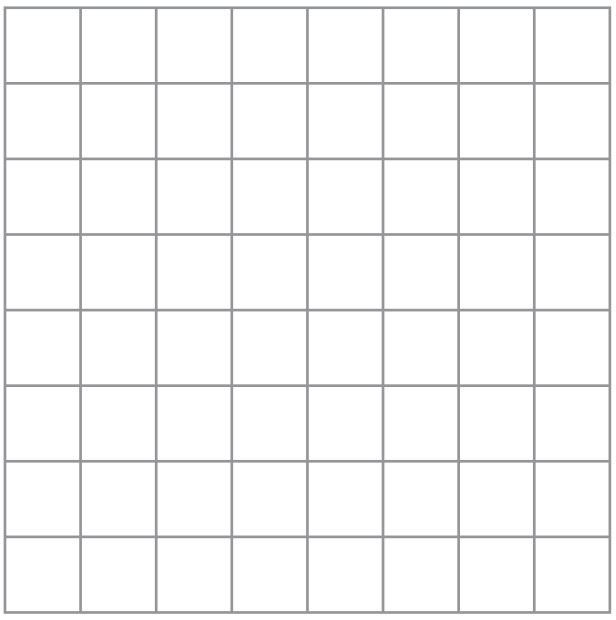
Work out how much change she should get.

£ **Q3**

(Total 3 marks)

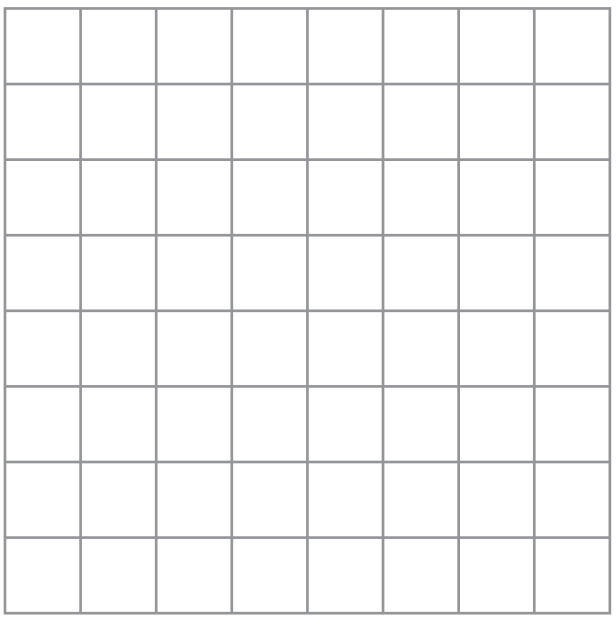
Leave blank

4. (a) On the grid below, draw a right-angled triangle.



(1)

(b) On the grid below, draw an isosceles triangle.



(1) **Q4**

(Total 2 marks)

N 3 3 0 4 6 A 0 4 0 8

Leave blank

5. (a) Find the value of 4^2

.....
(1)

(b) Find the value of $\sqrt{2.25}$

.....
(1) **Q5**

(Total 2 marks)

6. (a) How many faces has a cube?

.....
(1)

(b) The diagram shows a cuboid.

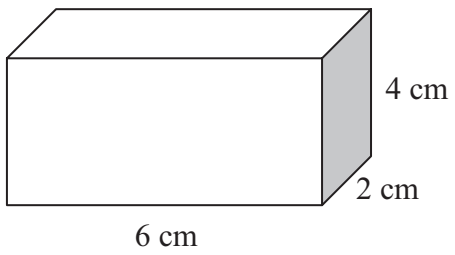


Diagram **NOT** accurately drawn

The length of the cuboid is 6 cm.
Its width is 2 cm.
Its height is 4 cm.

Work out the volume of the cuboid.

..... cm^3
(2) **Q6**

(Total 3 marks)

N 3 3 0 4 6 A 0 5 0 8

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Leave blank

7.

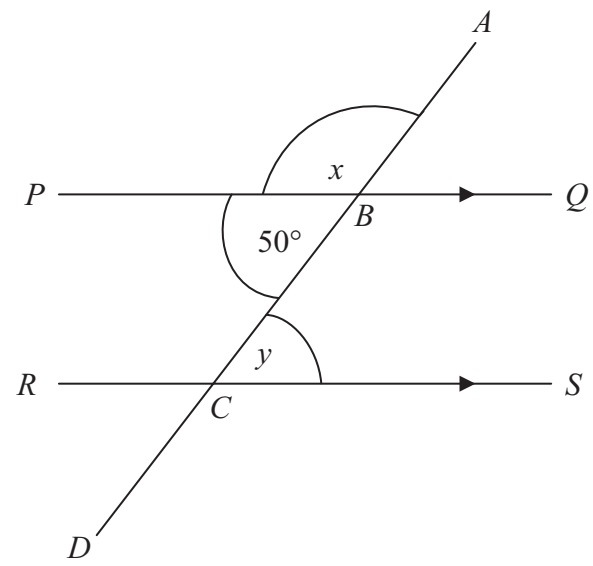


Diagram **NOT** accurately drawn

ABCD is a straight line.
PQ is parallel to *RS*.

(a) (i) Write down the size of the angle marked *x*.

..... °

(ii) Give a reason for your answer.

.....

.....

(2)

(b) (i) Write down the size of the angle marked *y*.

..... °

(ii) Give a reason for your answer.

.....

.....

(2) **Q7**

(Total 4 marks)

N 3 3 0 4 6 A 0 6 0 8

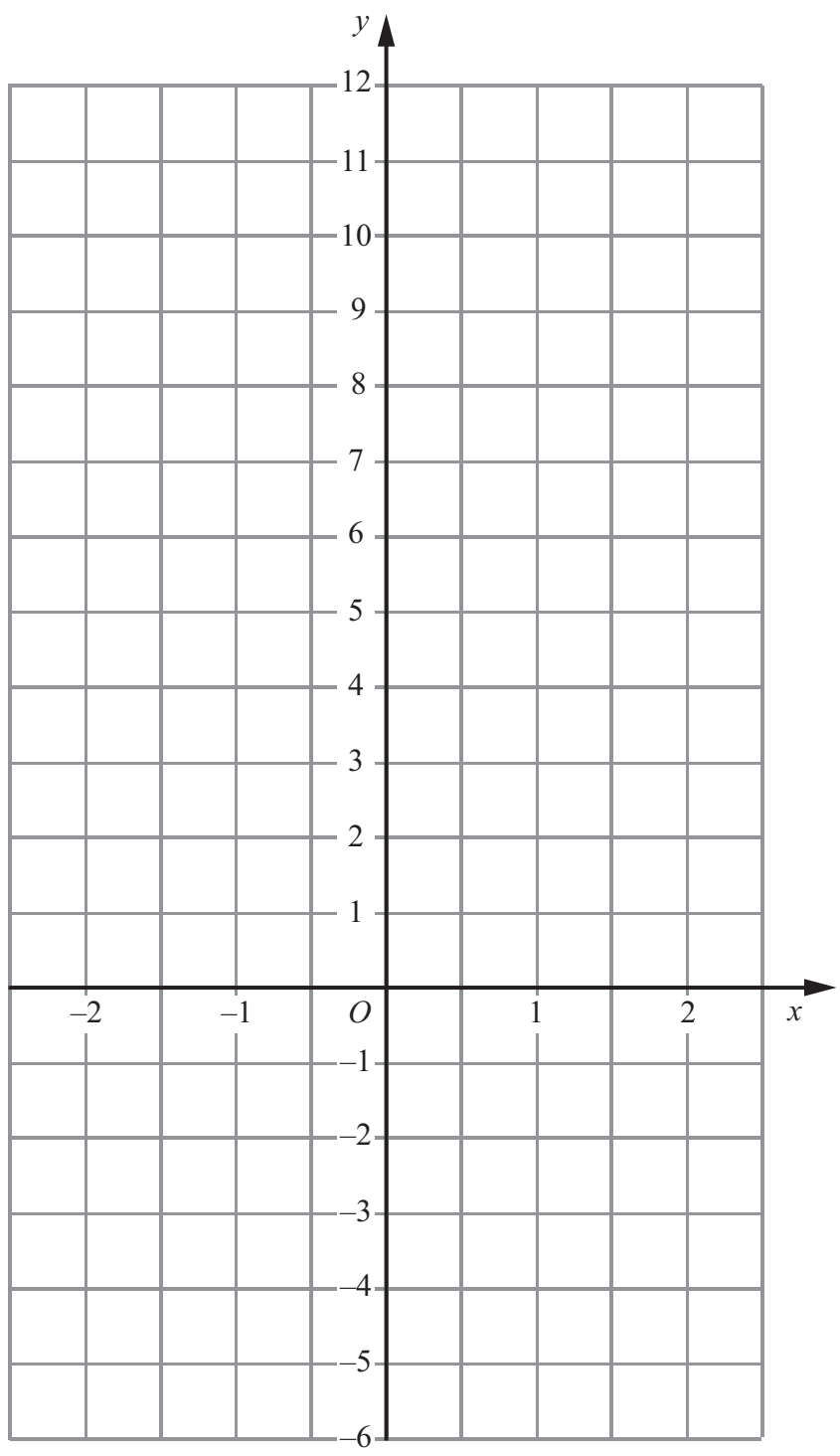
Leave blank

8. (a) Complete the table of values for $y = 4x + 3$

x	−2	−1	0	1	2
y		−1			11

(2)

(b) On the grid, draw the graph of $y = 4x + 3$



(2)

Q8

(Total 4 marks)

Leave blank

9. A can of cola costs x pence.
An ice cream costs y pence.
Atif buys 3 cans of cola and 2 ice creams.

Write down an expression, in terms of x and y, for the total cost, in pence.

.....

Q9

(Total 2 marks)

10. Here is a list of ingredients needed to make 8 pancakes.

8 pancakes

120 g of plain flour
1 egg
300 m*l* of milk
1 tablespoon of oil

Work out how much plain flour is needed to make 10 pancakes.

..... g

Q10

(Total 2 marks)

TOTAL FOR PAPER: 25 MARKS

END