

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

Paper Reference(s)

5383F/9F

Edexcel GCSE

Mathematics

Unit 2 Stage 2

Foundation Tier

Specimen Paper

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.
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.
Some questions must be answered by marking the response **■**.
If you change your mind about an answer, put a cross through the response **✗** and then indicate your new answer by marking the response **■**.
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 11 questions in this question paper. The total mark for this paper is 25.
There are 12 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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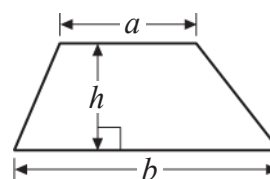
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GCSE Mathematics

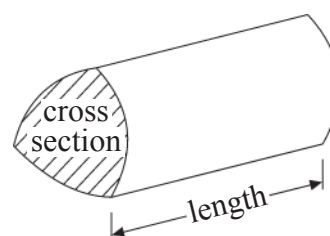
Formulae: Foundation Tier

**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





<p style="text-align: center;">Answer all ELEVEN questions.</p> <p style="text-align: center;">Write your answers in the spaces provided.</p> <p style="text-align: center;">You must write down all stages in your working.</p> <p>1. (a) Find the square of 9</p> <p style="text-align: right;">..... (1)</p> <p>(b) Find the square root of 16</p> <p style="text-align: right;">..... (1)</p> <p style="text-align: right;">(Total 2 marks)</p>	<p>Leave blank</p> <p>Q1</p> <div></div>
<p>2. There were 16 nails in a box. 13 nails are taken out of the box. Then, 18 nails are put into the box.</p> <p>How many nails are there now in the box?</p> <p style="text-align: right;">..... (Total 2 marks)</p>	<p>Q2</p> <div></div>



M 3 1 1 1 6 A 0 3 1 2



3. The price of a TV is £240 plus VAT at 17.5%

Fred works out the VAT by writing down

24
12
6
42

So the VAT is £42

Explain Fred's method.

(Total 2 marks)

Q3

4. Here is a list of prices.

Toni's Ices

Single cone49p

Double cone89p

Choc ice65p

Ice lolly79p

Fred buys a double cone and two ice lollies.

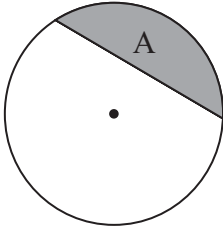
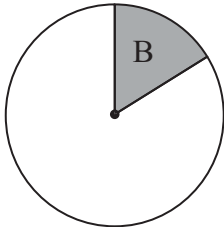
He pays with a £5 note.

Work out the change that Fred should get.

(Total 3 marks)

Q4



5. $14 - 8 - 2 = 8$		Leave blank		
Put brackets in the calculation above to make it correct.		Q5		
(Total 1 mark)		<input type="text"/>		
6. A and B are shaded parts of a circle.				
<div></div> <div></div>				
Select a word from the list below which describes A and B.				
Answer the questions by marking the response <input type="checkbox"/> .				
If you change your mind about an answer, put a cross through the response <input checked="" type="checkbox"/> and then indicate your new answer by marking the response <input type="checkbox"/> .				
(i) A is a ?				
diameter	radius	chord	segment	sector
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	B	C	D	E
(ii) B is a ?				
diameter	radius	chord	segment	sector
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A	B	C	D	E
(Total 2 marks)		Q6		
		<input type="text"/>		
7. n represents a whole number.				
What type of number is represented by $2n + 1$?				
.....		Q7		
(Total 1 mark)		<input type="text"/>		



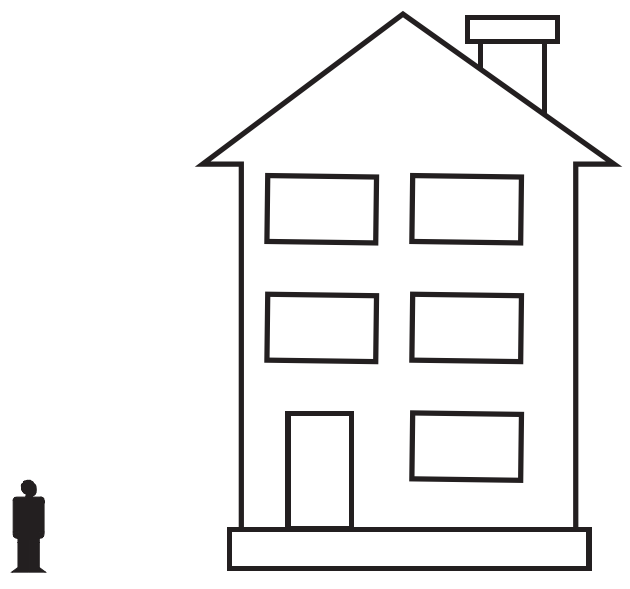
<p>8. Work out</p> $\frac{2.4 + \sqrt{3.61}}{20}$ <p>Write down all the numbers on your calculator display.</p> <p>.....</p> <p>(Total 2 marks)</p>	<p>Leave blank</p> <p>Q8</p> <input type="text"/>





9.

Leave
blank



The diagram shows a man and a building.
The man is of normal height.
The man and the building are drawn to the same scale.

(a) Write down an estimate for the height of the man.

.....
(1)

(b) Write down an estimate for the height of the building.

.....
(2)

(Total 3 marks)

Q9

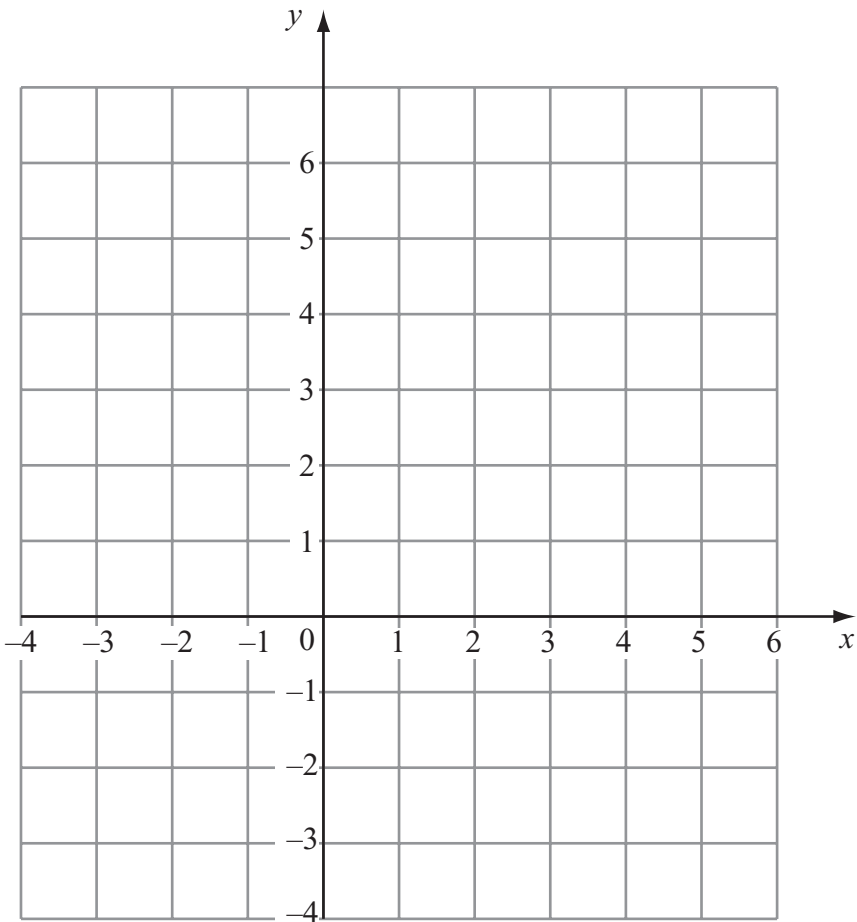


10. (a) Complete the table of values for $y = 2x$

x	-2	-1	0	1	2	3
y	-4		0	2		6

(2)

(b) On the grid below draw the graph of $y = 2x$



(2)

Q10

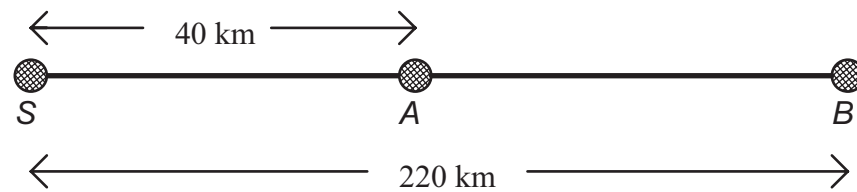
(Total 4 marks)



11.

Leave
blank

Diagram **NOT**
accurately drawn



S , A and B are three towns.

A is 40 km from S .

B is 220 km from S .

A car takes 2 hours 30 minutes to travel from A to B .

Work out the speed of the car.

..... km per hour

Q11

(Total 3 marks)

TOTAL FOR PAPER: 25 MARKS

END



M 3 1 1 1 6 A 0 9 1 2

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