

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  $\pi$  button, take the value of  $\pi$  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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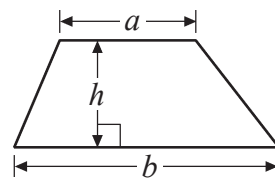
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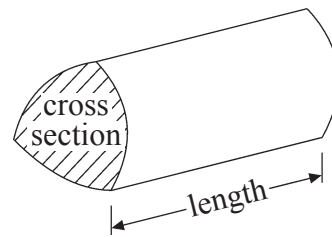
Formulae: Foundation Tier

**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



Leave  
blank

**Answer all ELEVEN questions.**

**Write your answers in the spaces provided.**

**You must write down all stages in your working.**

1. (a) Find the square of 9

.....  
(1)

(b) Find the square root of 16

.....  
(1)

**(Total 2 marks)**

**Q1**

2. There were 16 nails in a box.  
13 nails are taken out of the box.  
Then, 18 nails are put into the box.

How many nails are there now in the box?

.....

**(Total 2 marks)**

**Q2**



Leave blank

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

Fred works out the VAT by writing down

$$\begin{array}{r} 24 \\ 12 \\ \underline{6} \\ 42 \end{array}$$

So the VAT is £42

Explain Fred's method.

.....

.....

.....

.....

Q3

(Total 2 marks)

4. Here is a list of prices.

Toni's Ices	
Single cone	49p
Double cone	89p
Choc ice	65p
Ice lolly	79p

Fred buys a double cone and two ice lollies.

He pays with a £5 note.

Work out the change that Fred should get.

Q4

.....  
(Total 3 marks)



5.  $14 - 8 - 2 = 8$

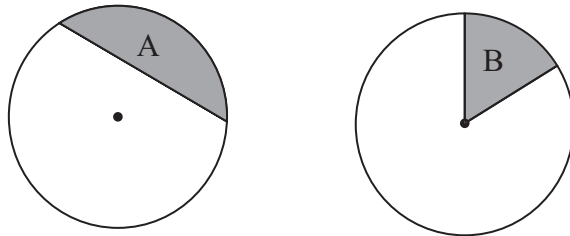
Put brackets in the calculation above to make it correct.

(Total 1 mark)

Leave blank

Q5

6. A and B are shaded parts of a circle.



Select a word from the list below which describes A and B.

Answer the questions 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 .

(i) A is a ?

diameter

A

radius

B

chord

C

segment

D

sector

E

(ii) B is a ?

diameter

A

radius

B

chord

C

segment

D

sector

E

(Total 2 marks)

Q6

7.  $n$  represents a whole number.

What type of number is represented by  $2n + 1$ ?

(Total 1 mark)

Q7



8. Work out

$$\frac{2.4 + \sqrt{3.61}}{20}$$

Write down all the numbers on your calculator display.

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blank

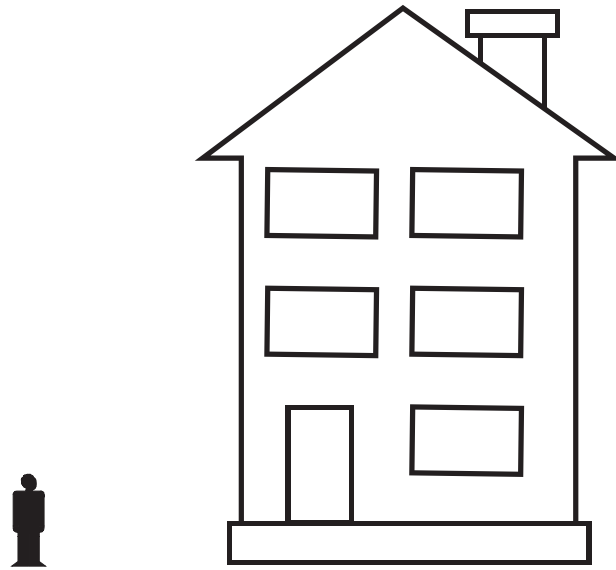
.....  
Q8

(Total 2 marks)



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9.



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

7

Turn over



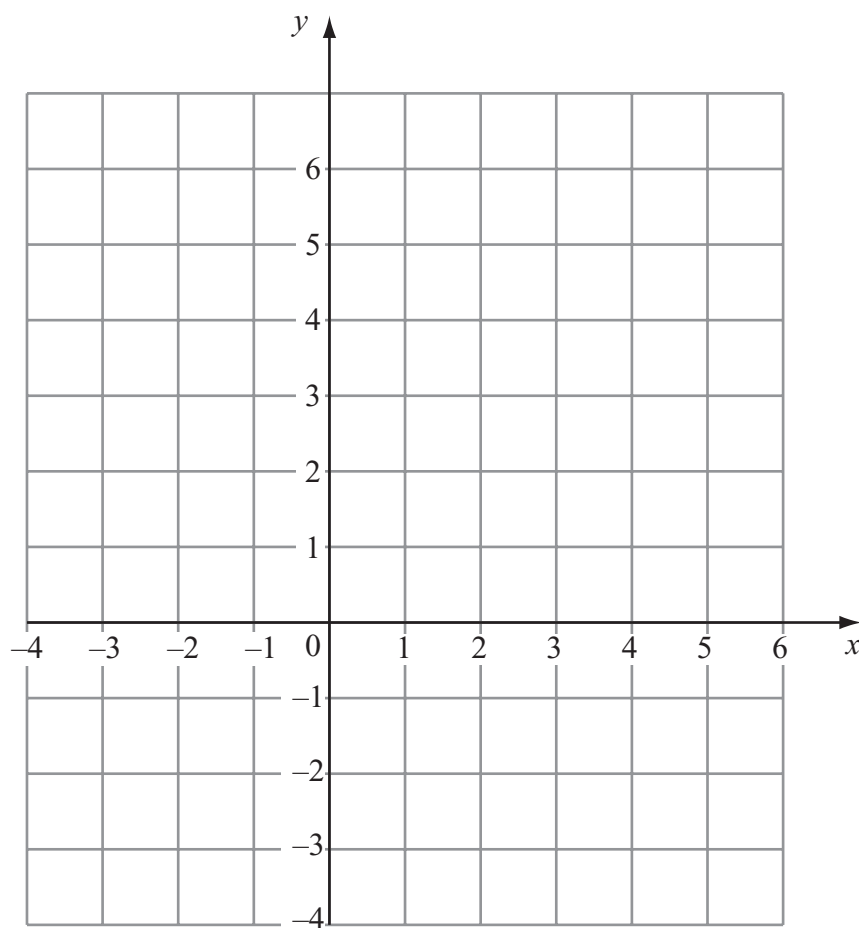
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10. (a) Complete the table of values for  $y = 2x$

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

(2)

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



(2)

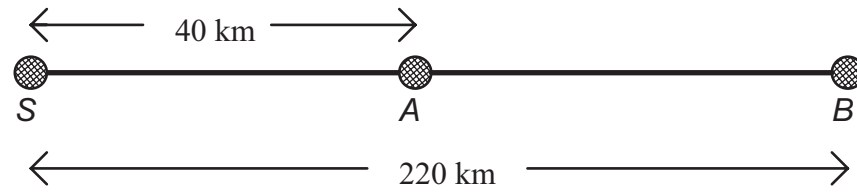
Q10

(Total 4 marks)



11.

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**



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