Centre No.						Paper Reference								Surname	Initial(s)
Candidate No.						5	5	4	2	F	/	7	F	Signature	

Paper Reference(s)

5542F/7F

Examiner's use only

Team Leader's use only

Edexcel GCSE

Mathematics

Unit 2 Stage 1

Foundation Tier

Specimen Paper

Time: 30 minutes

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. The 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.

Information for Candidates

There are 25 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 must not be used.

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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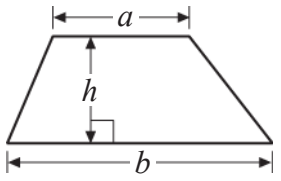
GCSE Mathematics

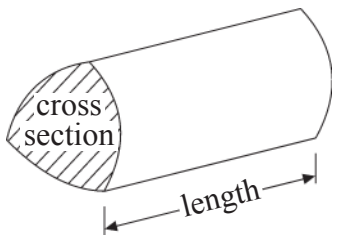
Formulae: Foundation Tier

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



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Answer ALL TWENTY FIVE questions.

You must NOT use a calculator.

1. A café had 23578 customers last year.

Round the number 23578 to the nearest ten.

23 572	23 570	23 580	23 500	23 600
A	**B**	**C**	**D**	**E**

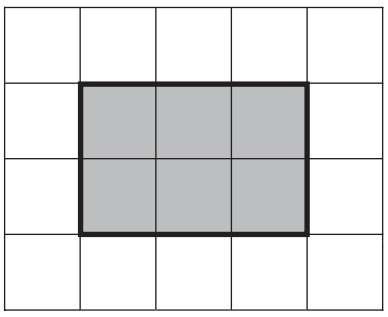
2. Here is a sequence of numbers.

5 9 13 17

Find the next number in the sequence.

18	19	20	21	22
A	**B**	**C**	**D**	**E**

3. Look at the shaded rectangle on the centimetre grid below.



What is the area of the shaded rectangle?

3 cm^2	5 cm^2	6 cm^2	10 cm^2	12 cm^2
A	**B**	**C**	**D**	**E**

4. Martin bought a calculator for £5.75 and a pencil case for £1.45

Work out his total bill.

£6.10	£6.20	£6.30	£6.15	£7.20
A	**B**	**C**	**D**	**E**

Leave blank

5. What is the 7th odd number?

7	9	11	13	15
☐	☐	☐	☐	☐
A	**B**	**C**	**D**	**E**

6. Which of these is an obtuse angle?

☐	☐	☐	☐	☐
A	**B**	**C**	**D**	**E**

7. Which of these numbers is equivalent to $\frac{3}{4}$?

0.7	$\frac{9}{12}$	$\frac{2}{3}$	0.12	$\frac{7}{8}$
☐	☐	☐	☐	☐
A	**B**	**C**	**D**	**E**

8. Sam buys a bus ticket for £1.25 and a train ticket for £14.80
She pays with a £20 note.

How much change should she receive?

£4.95	£16.05	£4.05	£3.95	£18.75
☐	☐	☐	☐	☐
A	**B**	**C**	**D**	**E**

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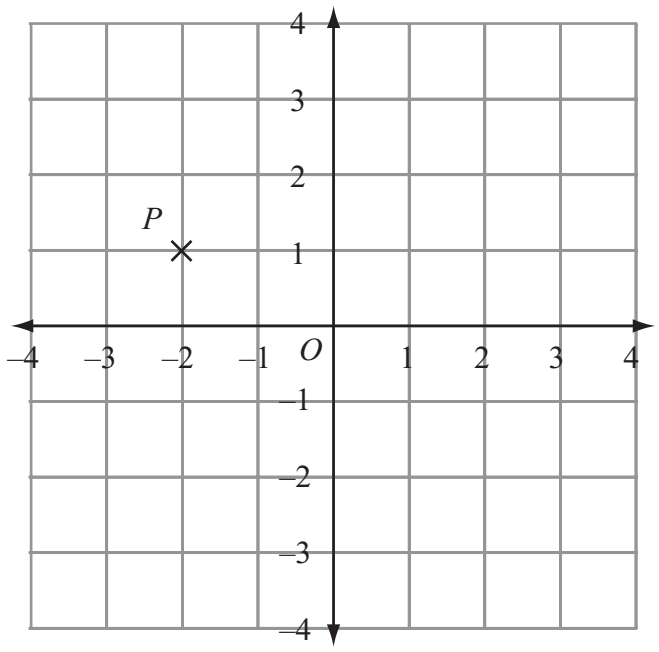
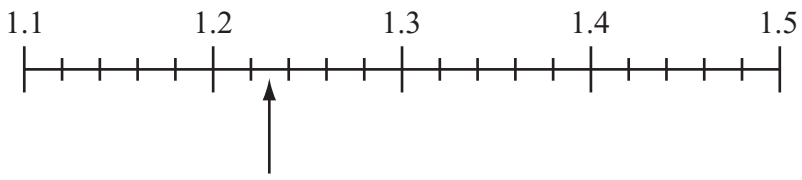
9.



What are the coordinates of P?

(–2,1)	(1,–2)	(–1,–2)	(–1,2)	(2,–1)
A	**B**	**C**	**D**	**E**

10. Look at the number line below.



What is the number indicated by the arrow?

1.2	1.21	1.22	1.23	1.25
A	**B**	**C**	**D**	**E**

11. Here are the first five terms in a sequence of numbers.

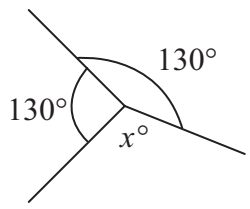
7 10 13 16 19

What is the 10th term in this sequence?

25	30	31	34	37
A	**B**	**C**	**D**	**E**

Leave blank

12. Diagram **NOT** accurately drawn



What is the size of the angle marked x?

30°	90°	100°	130°	360°
A	**B**	**C**	**D**	**E**

13. There are 48 packets of crisps in each box of crisps.
Work out the total number of packets of crisps in 234 boxes.

2808	10000	11196	11232	11238
A	**B**	**C**	**D**	**E**

14. Here is a list of numbers.

1.232 1.33 1.23 1.323 1.22

The numbers are going to be written in order, smallest number first.
Which of these numbers would be the 4th in the list?

1.232	1.33	1.23	1.323	1.22
A	**B**	**C**	**D**	**E**

15. A train leaves Manchester at 07 45 and arrives in London at 10 20.
How long does it take the train to make the journey?

2 hours 25 minutes	2 hours 35 minutes	3 hours 15 minutes	3 hours 25 minutes	3 hours 35 minutes
A	**B**	**C**	**D**	**E**

Leave blank

16. Here is a sequence of numbers.

5 10 8 13 11

Work out the next number in this sequence.

9	11	15	16	18
A	**B**	**C**	**D**	**E**

17.

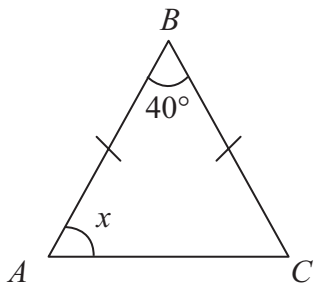


Diagram **NOT** accurately drawn

In the triangle ABC
$AB = AC$

Work out the size of angle x.

40°	70°	80°	140°	180°
A	**B**	**C**	**D**	**E**

18. Which of these numbers is a prime number?

2	6	9	21	15
A	**B**	**C**	**D**	**E**

19. Adult cinema tickets cost £3.50
Child cinema tickets cost £2.20
Mr Brown buys some cinema tickets for £14.90
He buys 2 child cinema tickets.

How many adult cinema tickets does he buy?

1	2	3	4	5
A	**B**	**C**	**D**	**E**

Leave blank

20. The diagram shows a rectangular garden patio.

Diagram **NOT** accurately drawn

A gardener has square paving slabs.
The length of the sides of a slab is 50 cm.
How many square paving slabs are needed to completely cover the patio?

15	16	30	40	60
A	**B**	**C**	**D**	**E**

21. The sketch shows the coordinates of the endpoints of the line AB.

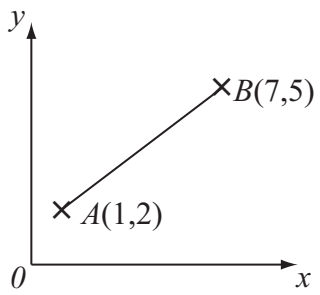


Diagram **NOT** accurately drawn

Work out the coordinates of the midpoint of the line AB.

(4, 3½)	(3, 3)	(3½ , 2½)	(2, 3½)	(3, 1½)
A	**B**	**C**	**D**	**E**

Leave blank

22.

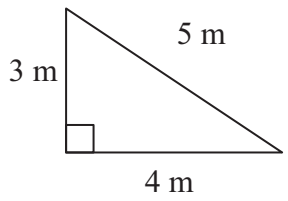


Diagram **NOT** accurately drawn

Work out the area of this triangle.

$6\ m^2$	$7½\ m^2$	$7\ m^2$	$12\ m^2$	$60\ m^2$
A	**B**	**C**	**D**	**E**

23. Work out $1572 \div 0.3$

5.24	52.4	524	5240	52400
A	**B**	**C**	**D**	**E**

24. Here is an arithmetic sequence.

1 4 7 10 13

Work out the expression, in terms of n, for the nth term of the sequence.

$3n + 2$	$2n - 3$	$3n$	$3n - 2$	$2n$
A	**B**	**C**	**D**	**E**

25. Work out the Highest Common Factor (HCF) of 30 and 72.

2	3	6	30	360
A	**B**	**C**	**D**	**E**

TOTAL FOR PAPER: 25 MARKS

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