Surname	Initial(s)
Signature	

Paper Reference(s)

5382F/07

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 7 (Non-Calculator)

Foundation Tier

Unit 2 Stage 1

Practice Paper

Time: 30 minutes

Materials required for examination
Multiple Choice Answer Sheet
Ruler graduated in centimetres and millimetres, protractor, compasses, HB pencil, eraser.

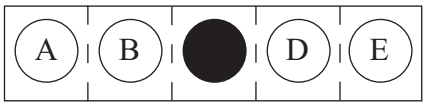
Items included with question papers
Nil

Instructions to Candidates

Use an HB pencil. Do not open this booklet until you are told to do so.

Before the test begins:
Check that the answer sheet is for the correct test and that it contains your candidate details.

How to answer the test:
For each question, choose the right answer, A, B, C, D or E and mark it in HB pencil on the answer sheet.
For example, the answer C would be marked as shown.



Mark only **one** answer for each question. If you change your mind about an answer, rub out the first mark **completely**, then mark your new answer.

Answer **all** the questions.
Do any necessary calculations and rough work in this booklet. **Calculators must not be used.**
You must not take this booklet or the answer sheet out of the examination room.

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.

Advice to Candidates

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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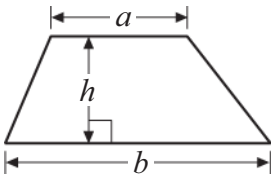
GCSE Mathematics

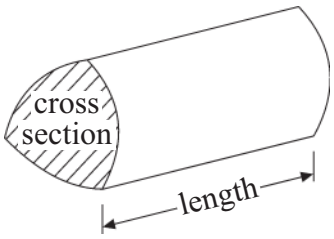
Formulae: Foundation Tier

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



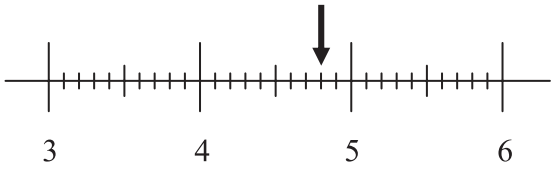
Answer ALL TWENTY FIVE questions.

Enter your answer clearly on the answer sheet.

You must NOT use a calculator.

1. Look at the number line below.

What value is shown by the arrow?



4.7	4.8	5.2	48	52
A	**B**	**C**	**D**	**E**

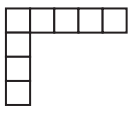
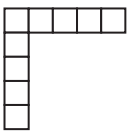
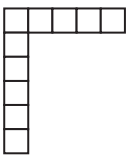
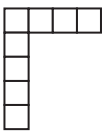
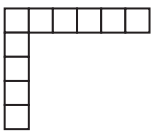
2. What is the number **three million fourteen thousand and five** written in figures?

3 000 000 14 000 5	3 140 500	3 140 005	3 014 005	3 014 500
A	**B**	**C**	**D**	**E**

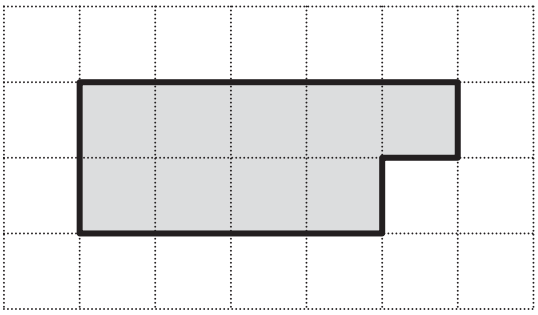
3. Here is a sequence of patterns made from squares.

Pattern 1 **Pattern 2** **Pattern 3** **Pattern 4**

Which is Pattern 5?

A  **B**  **C**  **D**  **E** 

4. Here is a shaded shape shown on a centimetre squared grid.



What is the area of the shaded shape?

7 cm^2	9 cm^2	11 cm^2	13 cm^2	14 cm^2
A	**B**	**C**	**D**	**E**

5. What is the number 4593 rounded to the nearest hundred?

4600	5000	4590	4500	4000
A	**B**	**C**	**D**	**E**

6. Here are the first five terms in a sequence.

3 9 15 21 27

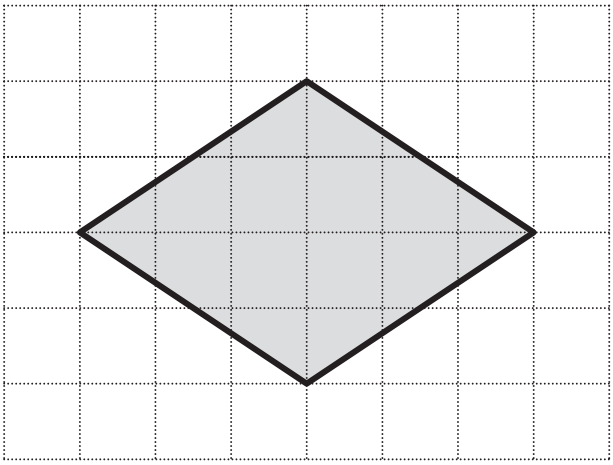
What are the next two terms of this sequence?

32 37	32 38	33 38	33 39	34 40
A	**B**	**C**	**D**	**E**

7. Which number is a factor of 8?

3	4	12	16	80
A	**B**	**C**	**D**	**E**

8.



What is the special name for this quadrilateral?

square	equilateral	rhombus	rectangle	hexagon
A	**B**	**C**	**D**	**E**

9. Rob buys a banana for 57p and **two** bagels at 40p each.
He pays with a £5 note.

How much change should Rob get?

£1.37	£3.63	£3.73	£4.03	£4.73
A	**B**	**C**	**D**	**E**

10. 732 centimetres =

7 metres 3 centimetres 2 millimetres	7 metres 32 centimetres	73 metres 2 centimetres	73.2 metres	73.2 millimetres
A	**B**	**C**	**D**	**E**

11. A ruler costs 38p.

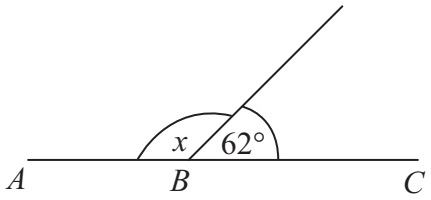
Noah has £2
He wants to buy as many rulers as possible.

How many rulers can Noah buy?

4 rulers	5 rulers	6 rulers	7 rulers	8 rulers
A	**B**	**C**	**D**	**E**

12. *ABC* is a straight line.

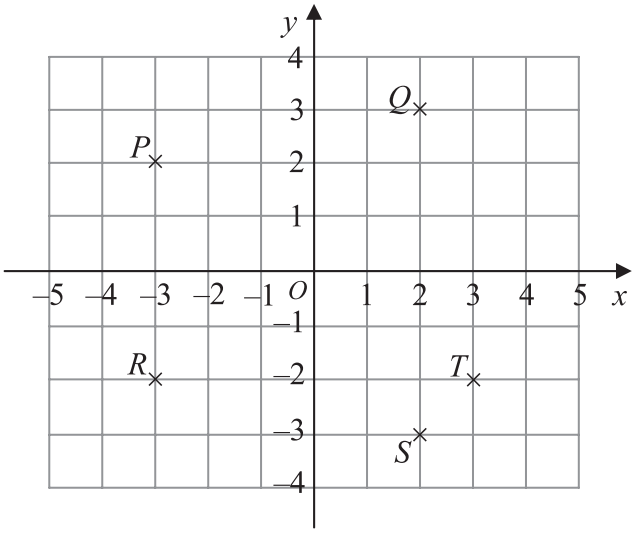
Diagram **NOT** accurately drawn



What is the size of the angle marked *x*?

118°	128°	98°	108°	28°
A	**B**	**C**	**D**	**E**

13.



Which point has coordinates (3, –2) ?

Point P	Point Q	Point R	Point S	Point T
A	**B**	**C**	**D**	**E**

14. Here is a list of decimal numbers.

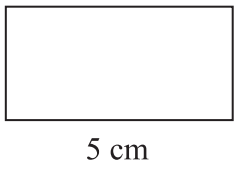
0.03 0.3 0.383 0.83 0.08

Which number is the largest?

0.03	0.3	0.383	0.83	0.08
A	**B**	**C**	**D**	**E**

15. Here is a rectangle:

Diagram **NOT** accurately drawn



The perimeter of the rectangle is:

8 cm	10 cm	13 cm	15 cm	16 cm
A	**B**	**C**	**D**	**E**

16. Here are the first seven terms in a number sequence.

2 4 3 5 4 6 5

What is the 10th term of this sequence?

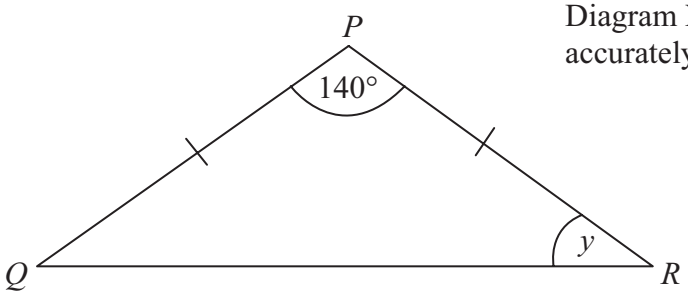
4	6	7	8	9
A	**B**	**C**	**D**	**E**

17. Which fraction is $\frac{12}{18}$ written in its simplest form?

$\frac{6}{9}$	$\frac{4}{6}$	$\frac{6}{8}$	$\frac{2}{8}$	$\frac{2}{3}$
A	**B**	**C**	**D**	**E**

18.

Diagram **NOT** accurately drawn

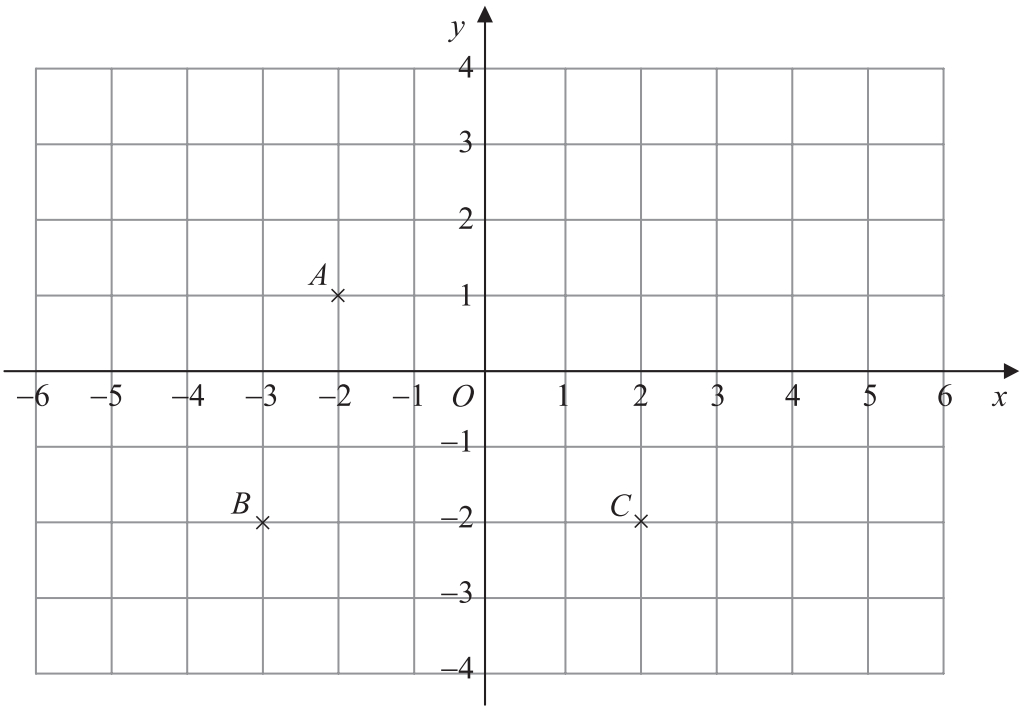


PQR is an isosceles triangle.
PQ = *PR*
Angle *P* = 140°

What is the size of the angle marked *y*?

10°	20°	30°	40°	140°
A	**B**	**C**	**D**	**E**

19. Points A, B and C have been plotted on the grid below.



$ABCD$ is a parallelogram.

What are the coordinates of the point D?

(1, 1)	(1, 3)	(1, 4)	(3, 1)	(4, 1)
A	**B**	**C**	**D**	**E**

20. $15.2 \times 6 =$

9.12	21.2	90.2	91.2	97.2
A	**B**	**C**	**D**	**E**

21. Lemar is y years old.
Guy is 3 years younger than Lemar.

What is an expression, in terms of y, for Guy's age?

$3y$	$y \div 3$	$3 - y$	$y + 3$	$y - 3$
A	**B**	**C**	**D**	**E**

22. What is the Lowest Common Multiple (LCM) of 6 and 10 ?

2	4	20	30	60
A	**B**	**C**	**D**	**E**

23. Which is the best estimate for the value of $\frac{29.5 \times 5.2}{48.1}$?

0.3	300	3	20	30
A	**B**	**C**	**D**	**E**

24.

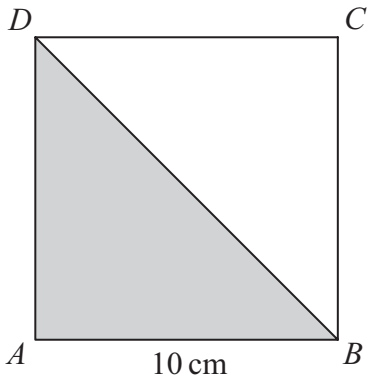


Diagram **NOT** accurately drawn

ABCD is a square.
AB = 10 cm.

What is the area of the shaded triangle *ABD* ?

10 cm^2	30 cm^2	40 cm^2	50 cm^2	100 cm^2
A	**B**	**C**	**D**	**E**

25. Here are the first five terms of an arithmetic sequence.

7 12 17 22 27

What is an expression, in terms of *n*, for the *n*th term of the sequence?

$n + 5$	$5n + 2$	$7n - 5$	$5n + 7$	$5n - 3$
A	**B**	**C**	**D**	**E**

TOTAL FOR PAPER: 25 MARKS

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