Surname	Initial(s)
Signature	

Paper Reference(s)

5382F/07

Edexcel GCSE

Mathematics (Modular) – 2381

Paper 7 (Non-Calculator)

Foundation Tier

Unit 2 Stage 1

Friday 13 November 2009 – Afternoon

Time: 30 minutes

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

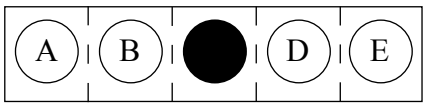
Items included with question papers
Nil

Instructions to Candidates

Use a 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 16 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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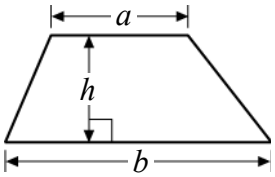
GCSE Mathematics 2381

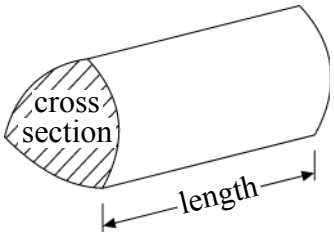
Formulae: Foundation Tier

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 using the answer sheet.

You must NOT use a calculator.

1. What is 6890 when rounded to the nearest hundred?

6800	7900	6900	7090	7000
A	**B**	**C**	**D**	**E**

---

2. Here are the first four terms of a number sequence.

4 7 10 13

What is the next term of the sequence?

14	16	18	15	17
A	**B**	**C**	**D**	**E**

---

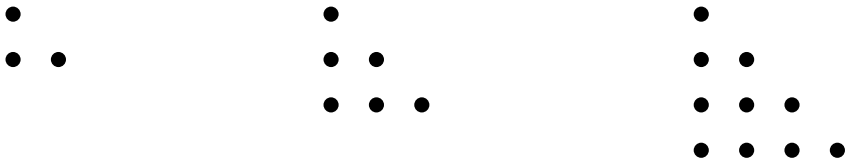
3. 500 – 237 =

263	363	273	373	337
A	**B**	**C**	**D**	**E**

---

4. Here are some patterns made from dots.

Pattern 1 Pattern 2 Pattern 3

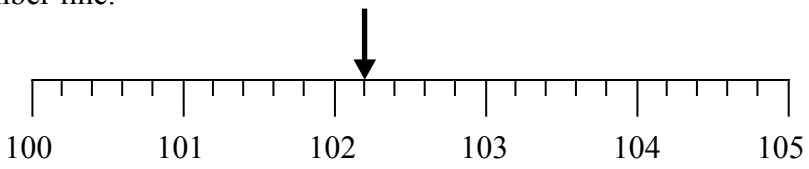


What is the number of dots in Pattern 4?

14	18	17	15	16
A	**B**	**C**	**D**	**E**

---

5. Look at the number line.



What number is shown by the arrow?

102.1	102.25	102.4	102.3	102.2
A	**B**	**C**	**D**	**E**

---

6. Which of these numbers is a multiple of 9?

19	15	6	45	3
A	**B**	**C**	**D**	**E**

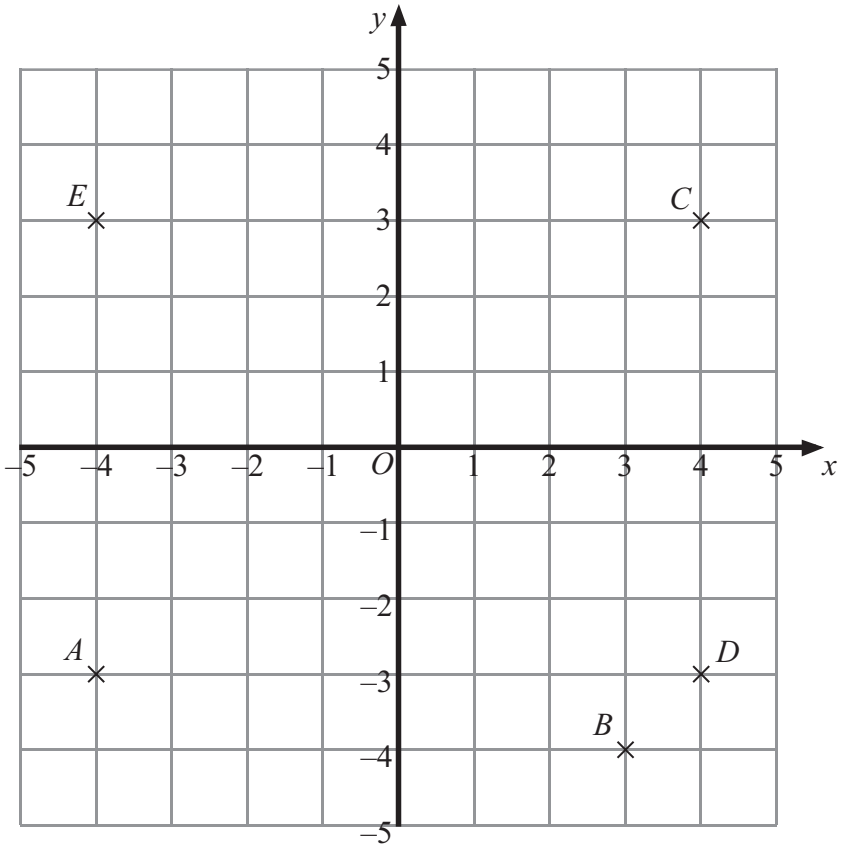
---

7. What is 9 metres in centimetres?

90 cm	9000 cm	0.09 cm	900 cm	0.9 cm
A	**B**	**C**	**D**	**E**

---

8. The points A, B, C, D and E are shown on a grid.



Which point has coordinates (–4, 3)?

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

---

9. $-7 + -2 =$

9	–5	–9	–14	5
A	**B**	**C**	**D**	**E**

---

10. Here is a rectangle.

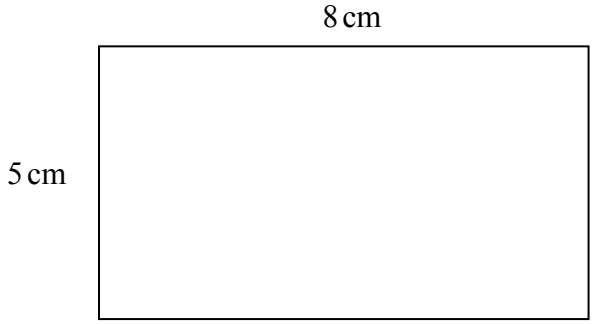


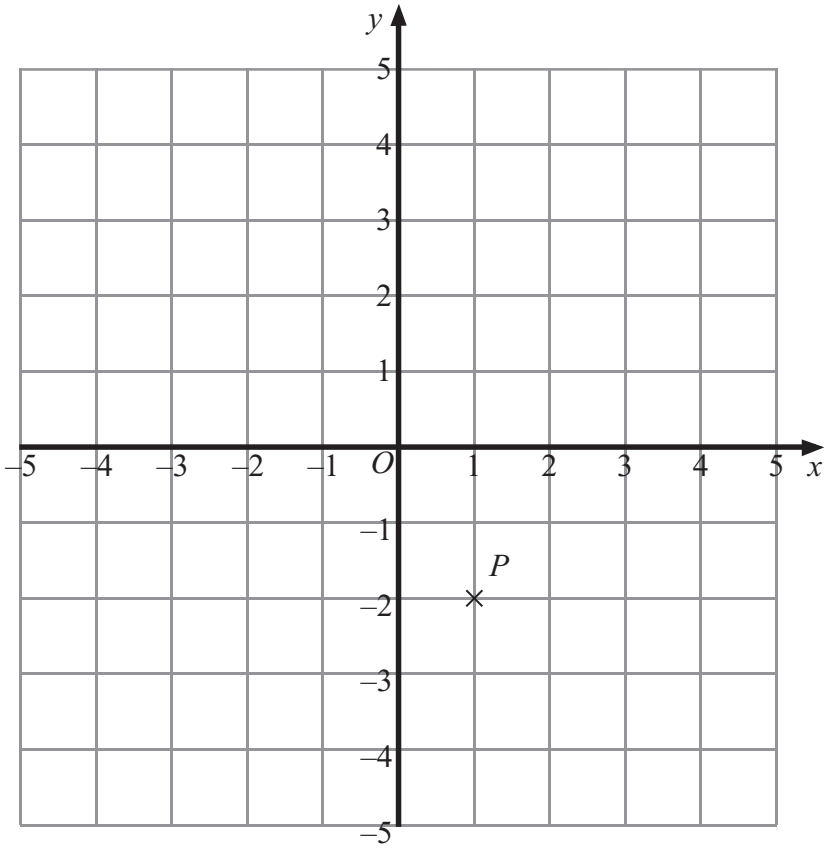
Diagram **NOT** accurately drawn

What is the perimeter of the rectangle?

18 cm	13 cm	21 cm	26 cm	40 cm
A	**B**	**C**	**D**	**E**

---

11. The point P is shown on a grid.



What are the coordinates of the point P?

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

---

12. What is $\frac{1}{5}$ when written as a decimal?

0.15	0.2	1.5	0.25	0.02
A	**B**	**C**	**D**	**E**

13.

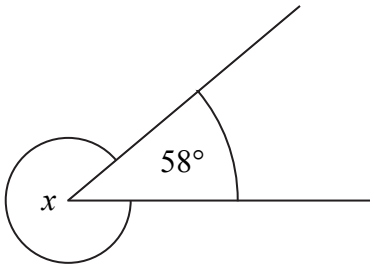


Diagram **NOT** accurately drawn

What is the size of the angle marked x?

112°	302°	122°	238°	312°
A	**B**	**C**	**D**	**E**

---

14. $-3 \times -5 =$

–8	15	8	–15	–2
A	**B**	**C**	**D**	**E**

---

15. Here are the first four terms in a sequence of numbers.

9 16 25 36

What is the next term in the sequence?

52	64	40	49	45
A	**B**	**C**	**D**	**E**

---

16. What is 0.32 when written as a fraction?

$\frac{2}{3}$	$\frac{3}{2}$	$\frac{32}{1000}$	$\frac{32}{10}$	$\frac{32}{100}$
A	**B**	**C**	**D**	**E**

---

17. Here is a parallelogram.

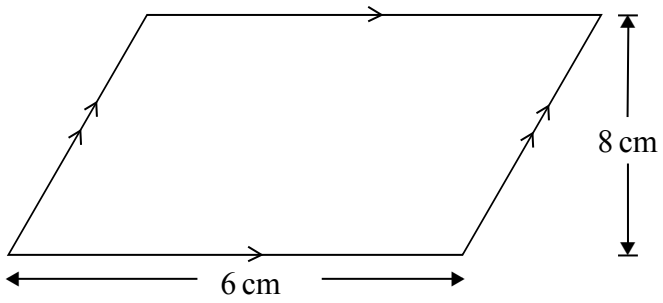


Diagram **NOT** accurately drawn

What is the area of the parallelogram?

21 cm^2	14 cm^2	24 cm^2	28 cm^2	48 cm^2
A	**B**	**C**	**D**	**E**

---

18. The number 37.68 correct to 1 significant figure is

40	38	37.7	4	30
A	**B**	**C**	**D**	**E**

---

19. Here is an isosceles triangle.

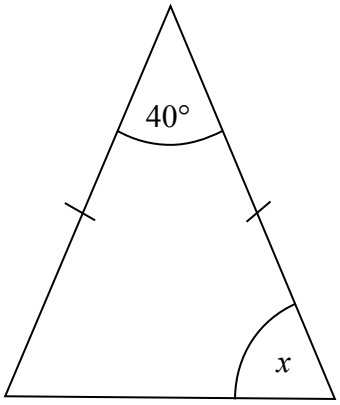


Diagram **NOT** accurately drawn

What is the size of the angle marked x?

50°	60°	40°	80°	70°
A	**B**	**C**	**D**	**E**

---

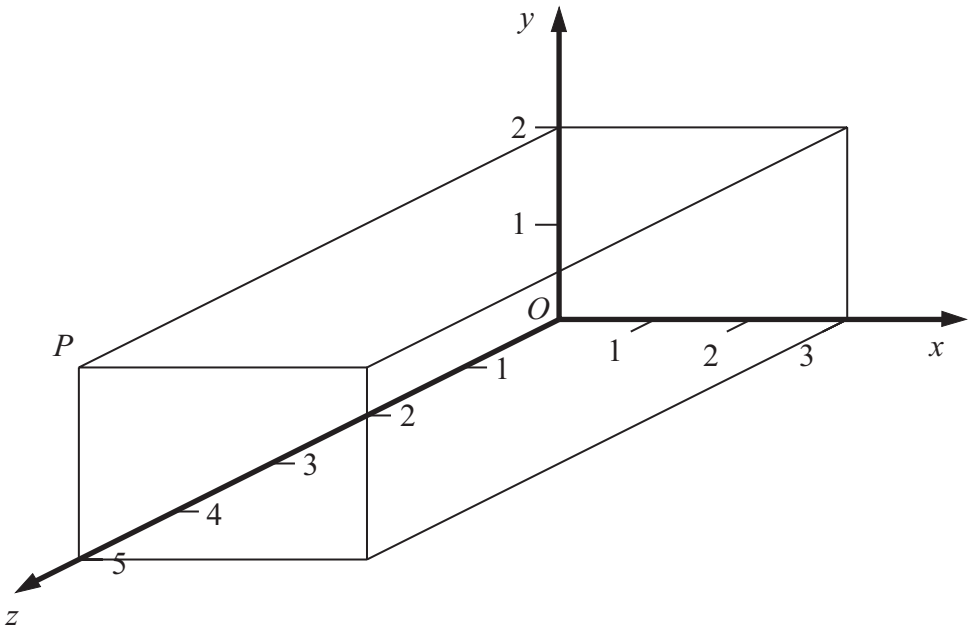
20. Paul buys some stamps.
The cost of each stamp is 25p.
The total cost of the stamps is £14

How many stamps does Paul buy?

46	64	58	54	56
A	**B**	**C**	**D**	**E**

---

21. Here is a cuboid drawn on a 3-D grid.
The point P is a vertex of the cuboid.



What are the coordinates of the point P?

(2, 5, 0)	(2, 0, 5)	(0, 3, 2)	(3, 0, 2)	(0, 2, 5)
A	**B**	**C**	**D**	**E**

22. Here is a triangle.

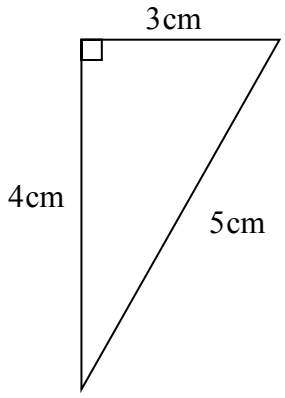


Diagram **NOT** accurately drawn

What is the area of the triangle?

$7.5\,\text{cm}^2$	$10\,\text{cm}^2$	$12\,\text{cm}^2$	$6\,\text{cm}^2$	$30\,\text{cm}^2$
A	**B**	**C**	**D**	**E**

---

23. Which is the best estimate for the value of $\frac{6.1\times9.6}{19.6}$?

5	2.5	30	4	3
A	**B**	**C**	**D**	**E**

---

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

7 11 15 19 23

What is the expression, in terms of n, for the nth term of the sequence?

$n+4$	$7n+4$	$4n-1$	$4n+3$	$4n$
A	**B**	**C**	**D**	**E**

---

25. The coordinates of the point A are $(-3, 9)$.

The coordinates of the point B are $(5, 1)$.

M is the midpoint of the line AB.

What are the coordinates of the point M?

$(2, 8)$	$(1, 5)$	$(2, 5)$	$(4, 5)$	$(1, 4)$
A	**B**	**C**	**D**	**E**

TOTAL FOR PAPER: 25 MARKS

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