



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

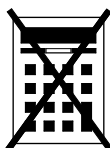
GCSE MATHEMATICS

F

Foundation Tier
Middle Third

Paper 1 Non-Calculator

November 2024



For Examiner's Use	
Pages	Mark
2–3	
4–5	
6–7	
8–9	
TOTAL	

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Answer **all** questions in the spaces provided.

- 9** A number is picked at random from the first three positive odd numbers.
A number is picked at random from the first four prime numbers.
The two numbers are **multiplied** to get a score.

- 9 (a)** Complete the table.

[4 marks]

		prime				
		×	2	3		7
odd	1					
	5			15		

- 9 (b)** What is the probability that the score is a square number?
Give your answer as a fraction.

[2 marks]

Answer _____

10 (a) Simplify fully $8m + 4 - 2m + 7$

[2 marks]

Answer _____

10 (b) Simplify fully $\frac{1}{2}c \times 6d$

[2 marks]

Answer _____

11



The multipack costs 10% **less than** 6 single bags.

Work out the cost of the multipack.

[4 marks]

Answer £ _____

12 Write the ratio $6 : 2$ in the form $n : 1$

[1 mark]

Answer _____ : 1

13 x and y are two **different positive** numbers.

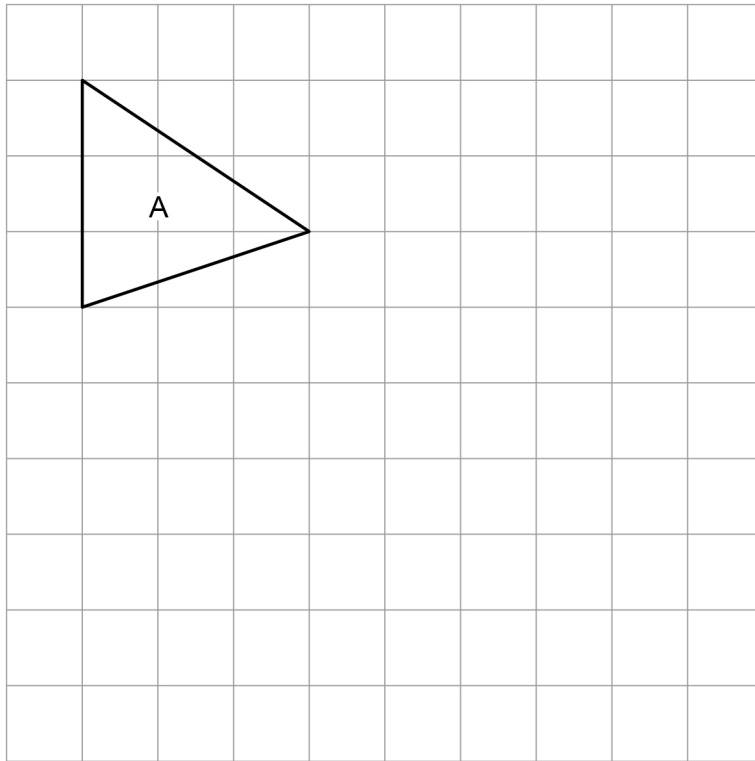
For each statement, tick the correct box.

[2 marks]

	Always true	Sometimes true	Never true
$x + y$ is positive	☐	☐	☐
$x - y$ is negative	☐	☐	☐

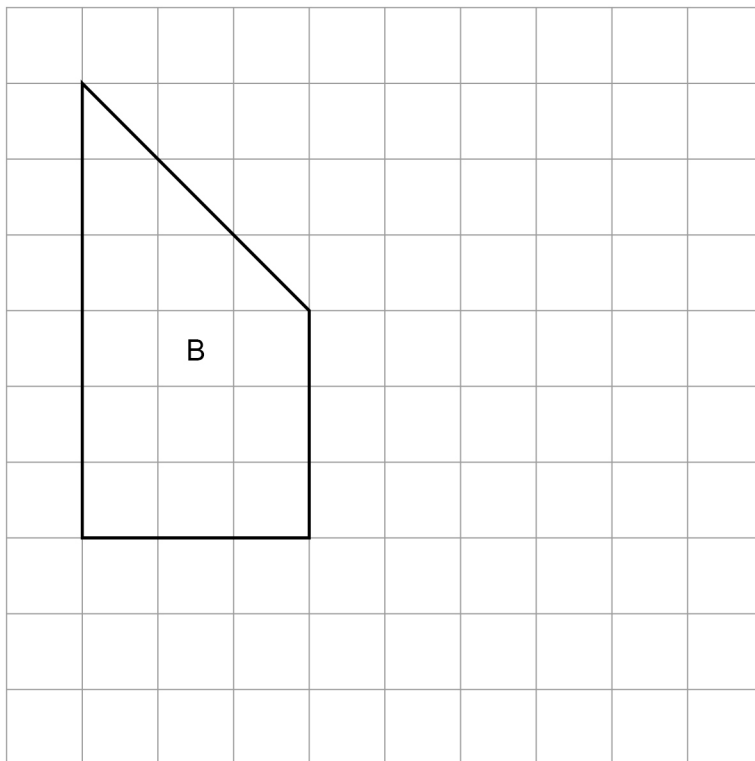
- 14 (a)** On the grid, draw a shape **congruent** to triangle A.

[1 mark]



- 14 (b)** On the grid, **enlarge** shape B by scale factor $\frac{1}{3}$

[2 marks]



15

35 books are either for adults or for children.

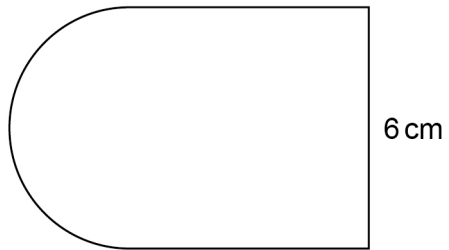
number for adults : number for children = 6 : 1

How many **more** books are for adults than for children?**[3 marks]**

Answer _____

16

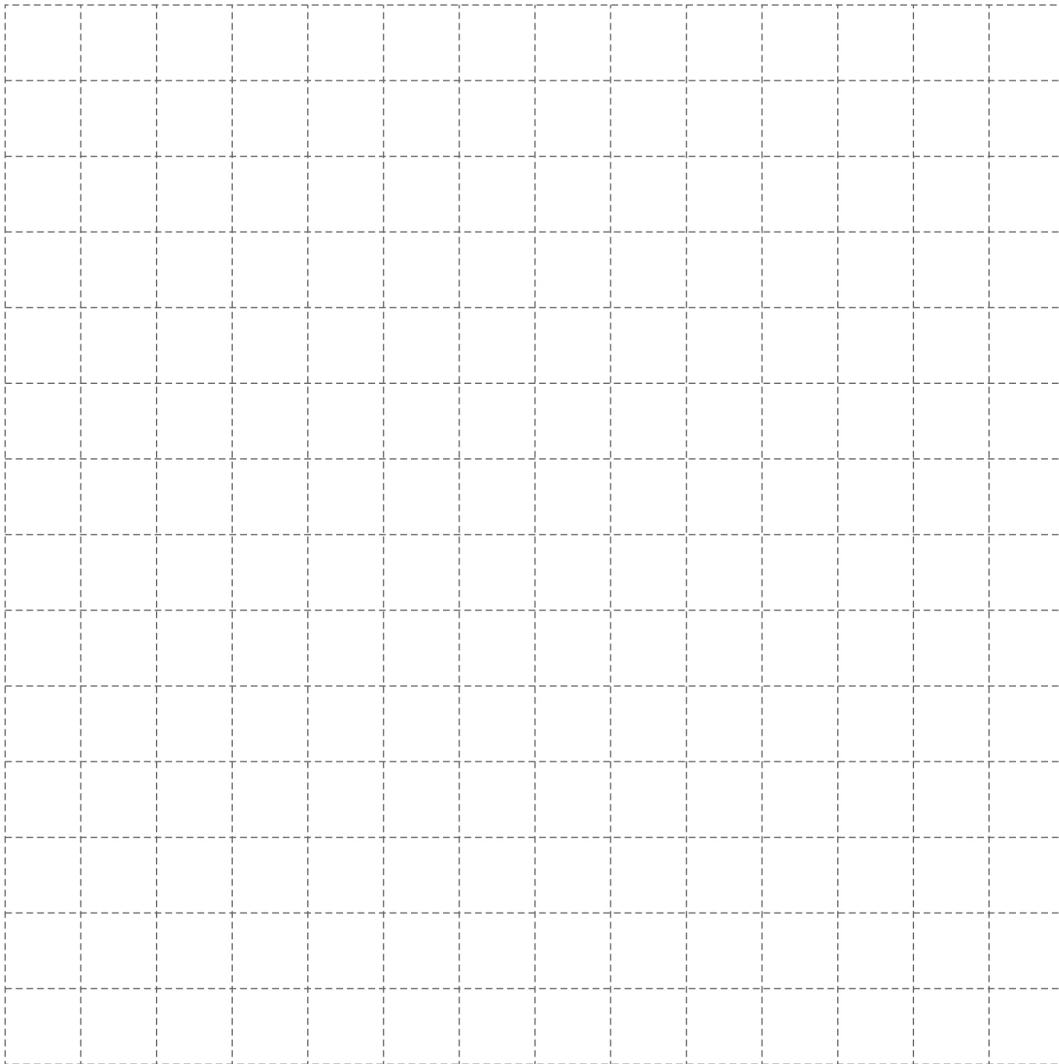
This shape is made from a semicircle and a square.



Not drawn
accurately

On the centimetre grid below, make an accurate drawing of the shape.

[2 marks]



- 17** A car travels 4 miles in 5 minutes.
Work out the average speed in miles per hour.
- [3 marks]**

Answer _____ mph