



Surname _____

Other Names _____

Centre Number _____

Candidate Number _____

Candidate Signature _____

I declare this is my own work.

Functional Skills Level 2

MATHEMATICS

Paper 1 Non-Calculator

8362/1

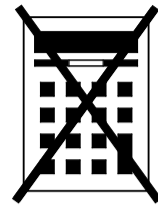
Time allowed: 30 minutes

At the top of the page, write your surname and other names, your centre number, your candidate number and add your signature.

[Turn over]



For this paper you must have:
• **mathematical instruments.**
You must NOT use a calculator.



INSTRUCTIONS

- **Use black ink or black ball-point pen. Draw diagrams in pencil.**
- **Answer ALL questions.**
- **You must answer the questions in the spaces provided. Do not write on blank pages.**
- **If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).**
- **Do all rough work in this book. Cross through any work you do not want to be marked.**



- **State the units of your answer where appropriate.**

INFORMATION

- **The marks for questions are shown in brackets.**
- **The maximum mark for this paper is 20.**
- **You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.**

ADVICE

In all calculations, show clearly how you work out your answer.

DO NOT TURN OVER UNTIL TOLD TO DO SO



SECTION A

Answer ALL questions in the spaces provided.

- 1 Circle the ratio equal to 9 : 2
[1 mark]**

$\frac{2}{9} : 1$ $4.5 : 1$ $4.5 : \frac{2}{9}$ $1 : 4.5$

- 2 Write the number 3 490 200 in words. [1 mark]**

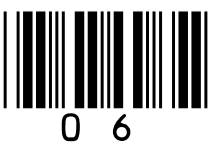
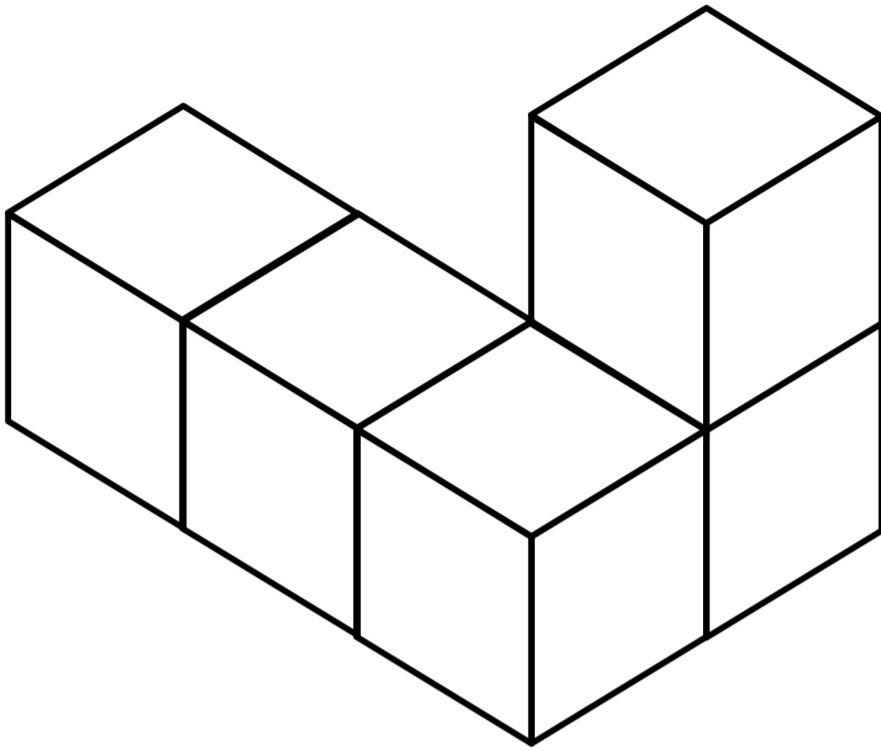


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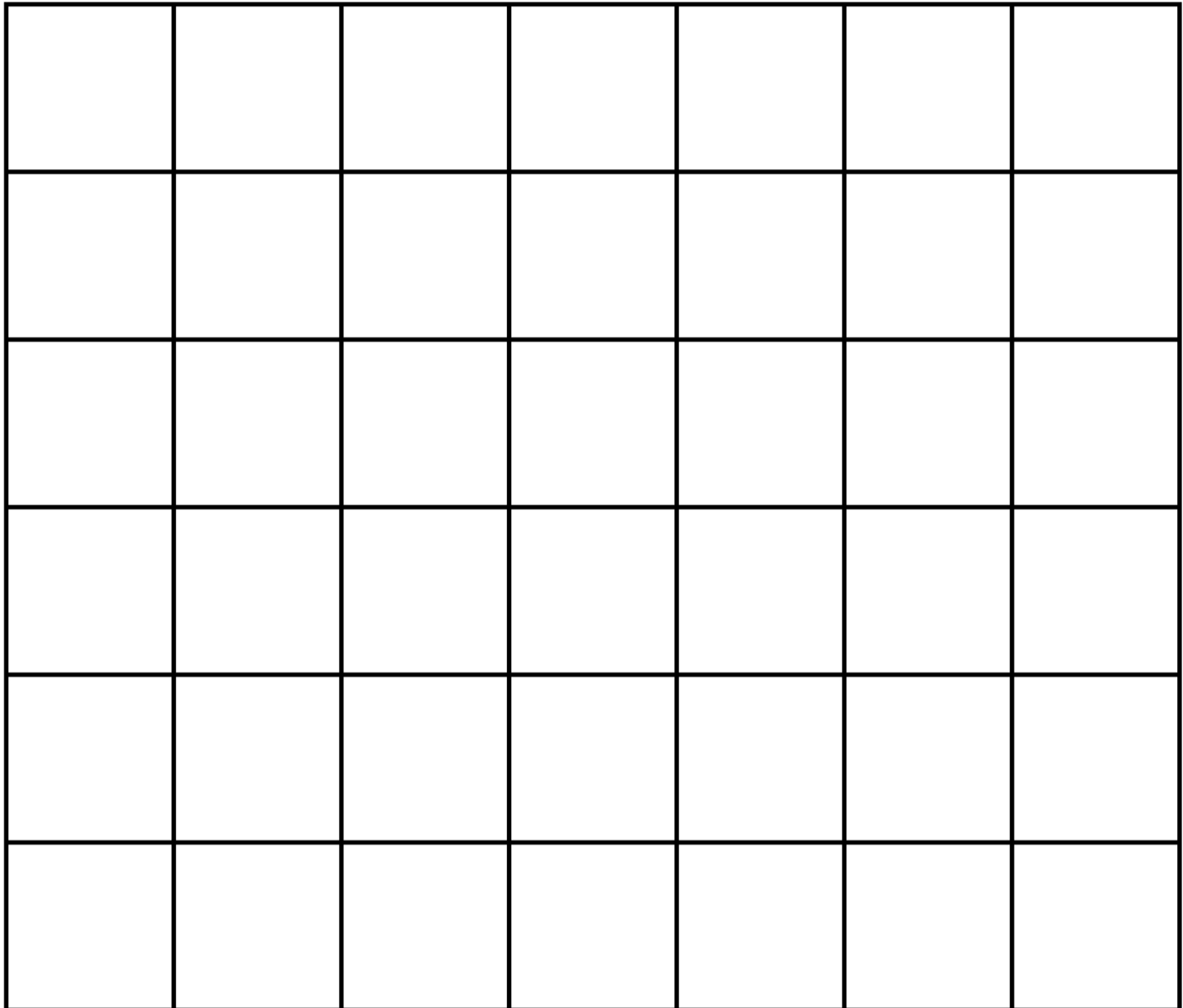
[Turn over]



3 Here is a solid made from cubes.



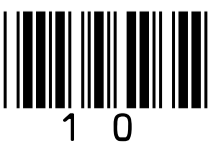
On the square grid, draw a plan view of the solid. [1 mark]



[Turn over]



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SECTION B

Answer ALL questions in the spaces provided.

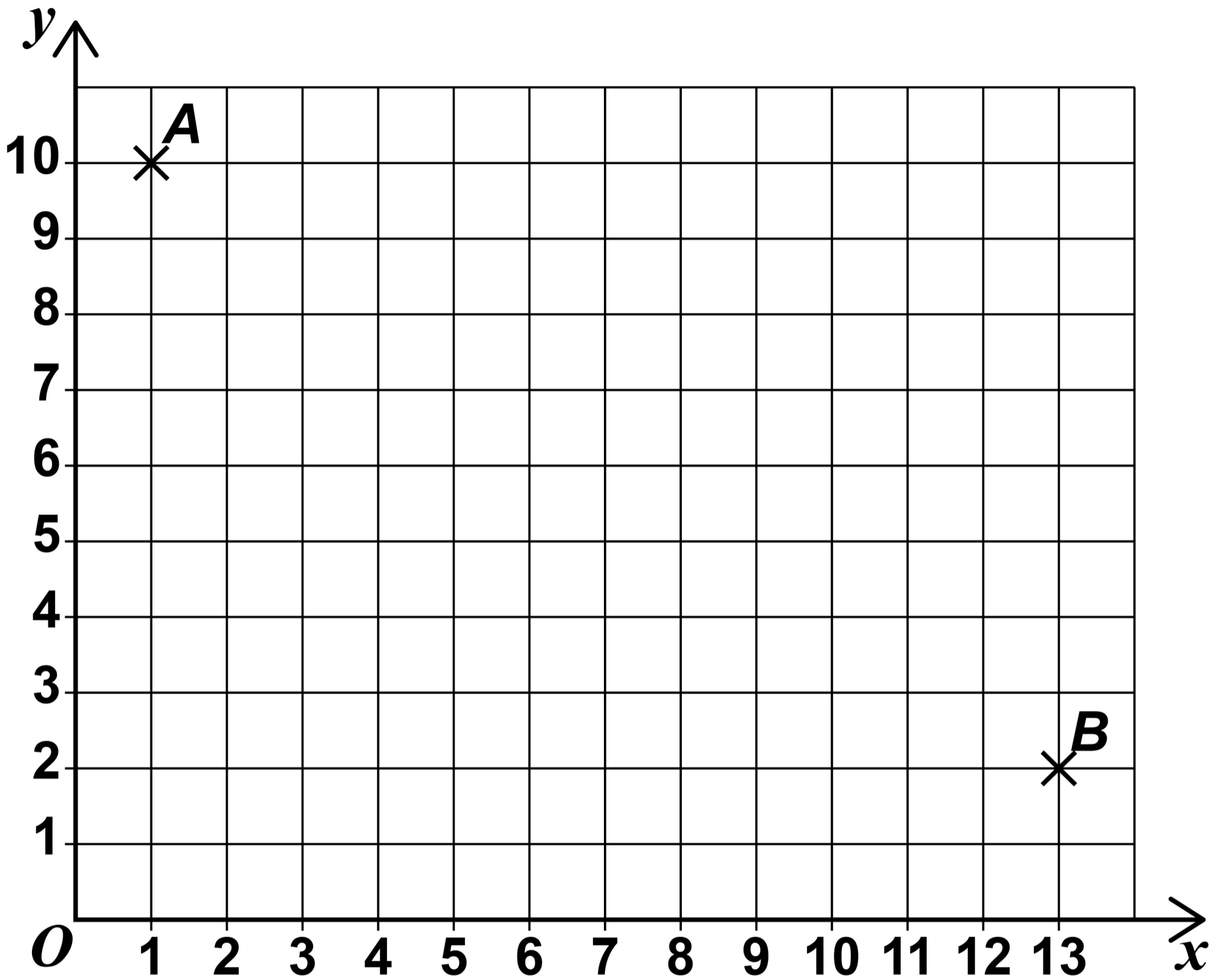
6 TOY CARS

Max has made a straight race track for his toy cars on a floor.

[Turn over]



6 (a) The grid represents the floor.



The straight track starts at $A(1, 10)$ and finishes at $B(13, 2)$.

There is a flag at the **HALFWAY POINT** of the track.

Work out the coordinates of the flag.
[3 marks]

Answer (_____ , _____)

[Turn over]



6 (b) Max wants to compare the performance of two cars, P and Q.

Each car does four timed races on the track.

For car P,

mean = 9.3 seconds

range = 3.8 seconds

The table shows the results for car Q.

	Race 1	Race 2	Race 3	Race 4
Time, seconds	10.15	8.35	7.8	12.1

Compare the average time and consistency of the two cars.

**You MUST show your working.
[5 marks]**



6 (c) Max needs to buy batteries for the cars.

There are two packs to choose from.

PACK A

£5.60

8 batteries

each battery lasts

$3\frac{1}{2}$ hours

PACK B

£6.30

10 batteries

each battery lasts

3 hours



Answer _____

12

END OF QUESTIONS



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For Examiner's Use	
Question	Mark
1–5	
6	
TOTAL	

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IB/M/CD/Jun22/8362/1/E2