



# FUNCTIONAL SKILLS MATHS & ENGLISH

## LEVEL 1 & 2 EXAMS

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# Functional Skills Level 2 MATHEMATICS

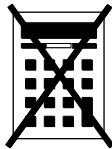
## Paper 1 Non-Calculator

Time allowed: 30 minutes

### Materials

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 outside the box around each page or 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.

For Examiner's Use	
Question	Mark
1–5	
6	
<b>TOTAL</b>	



**Section A**Answer **all** questions in the spaces provided.**1** Circle the ratio equal to 9 : 2**[1 mark]**

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

$$4.5 : 1$$

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

$$1 : 4.5$$

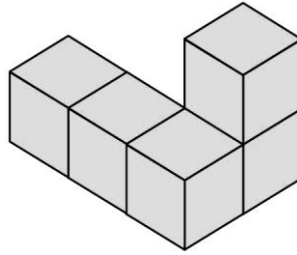
**2** Write the number 3 490 200 in words.**[1 mark]**

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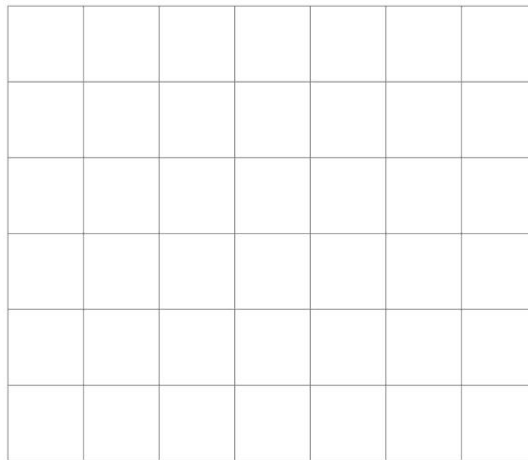


**3** Here is a solid made from centimetre cubes.



On the centimetre square grid, draw a plan view of the solid.

**[1 mark]**



**Turn over for the next question**

**Turn over ►**



4 Work out  $3.86 + 0.013 \times 5$

[2 marks]

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Answer \_\_\_\_\_

5 Which is greater,  $3\frac{2}{9}$  or  $\frac{13}{4}$  ?

You **must** show your working.

[3 marks]

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Answer \_\_\_\_\_

—  
8



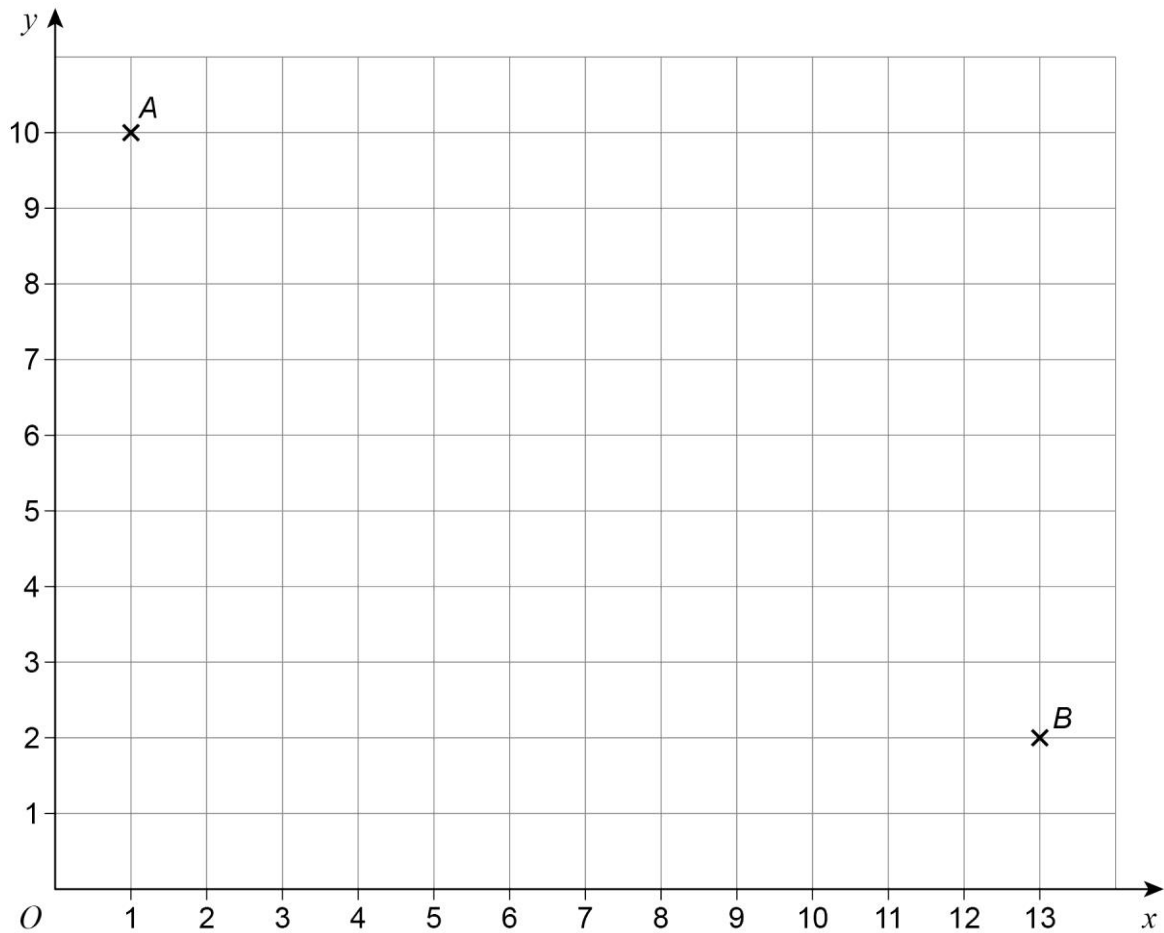
**Section B**

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

**6 Toy cars**

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

**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]**

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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]**

Average time \_\_\_\_\_

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Consistency \_\_\_\_\_

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ANSWER IN THE SPACES PROVIDED**



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