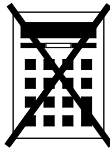# Functional Skills Level 1
MATHEMATICS

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	
TOTAL	

Section A

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

1 Circle the value of 8^2

[1 mark]

| 64 | 16 | 10 | 4 |

2 A fair, ordinary dice is rolled.

What is the probability of rolling an **even** number?

Circle your answer.

[1 mark]

$$\frac{1}{6} \qquad \frac{2}{6} \qquad \frac{3}{6} \qquad \frac{5}{6}$$

3 Work out $15 - (6 - 2)$

[1 mark]

_____

_____

Answer _____

4 By rounding 2.97 to the nearest whole number, estimate the answer to

$$45 \times 2.97$$

[2 marks]

Answer _____

5 Complete the table to show equivalent fractions, decimals and percentages.

[3 marks]

Fraction	Decimal	Percentage
	0.25	25%
$\frac{2}{5}$		40%
$\frac{3}{10}$	0.3	

Turn over for the next question

8

Turn over ▶

Section B

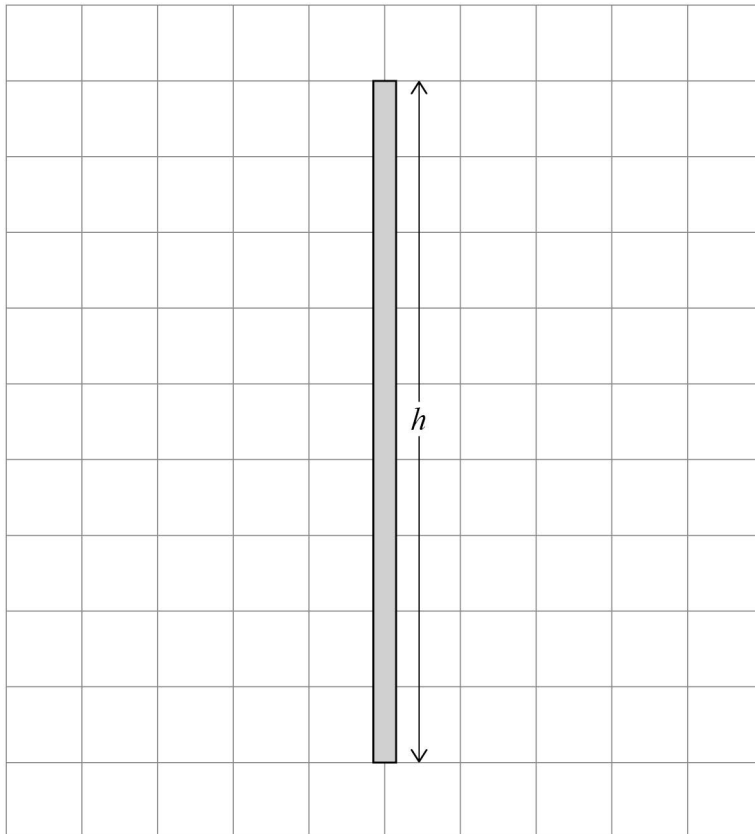Answer **all** questions in the spaces provided.

6   **Flags**

Evie collects flags and flies them from her flagpole.

6 (a)   Here is a scale drawing, on a centimetre grid, of the side elevation of her flagpole.

Scale: 1 centimetre represents 0.5 metres

Is the height, h, of the flagpole **more than** 4 metres?

You **must** show your working.

[3 marks]

_____

_____

_____

6 (b) Evie has drawn a pictogram to show the types of flag in her collection.

Key: ⬜ represents 2 flags

Patterned	⬜⬜⬜
Animal	⬜⬜⬜⬜⬜▯
National	⬜⬜⬜⬜⬜⬜⬜▯
Plain	⬜⬜

Evie says,

"**Less than** one third of my flags are national flags."

Is Evie correct?

You **must** show your working.

[5 marks]

_____

_____

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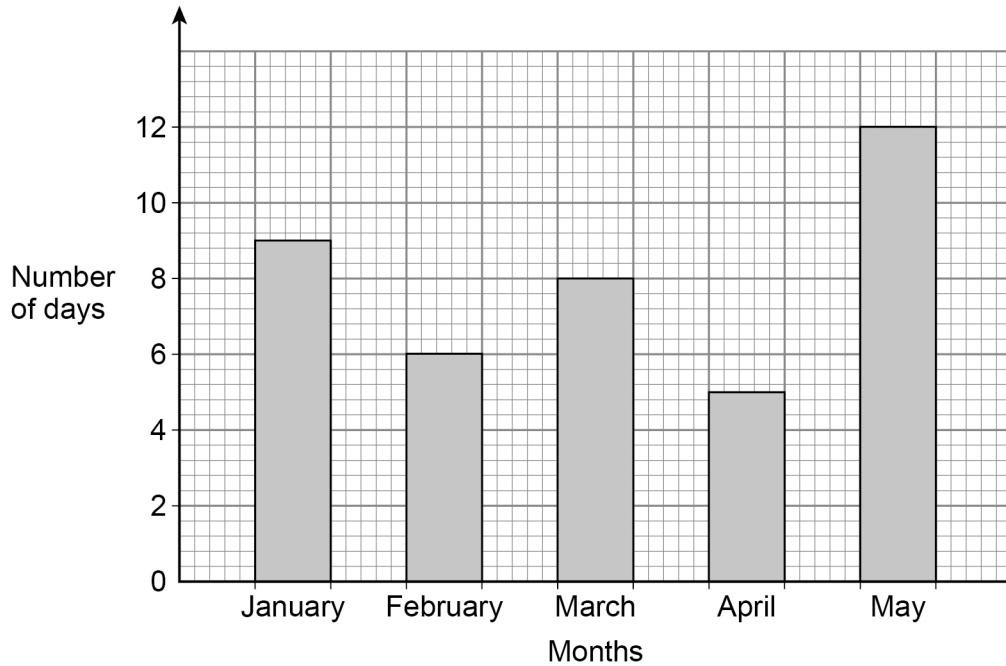
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Turn over ▶

6 (c) Evie flies flags on special days.

The bar chart shows the number of special days in the months January to May.

In the previous 5 months the mean number of special days per month was 7

Show that the mean is **greater** for the 5 months shown on the bar chart.

[4 marks]

_____

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_____

END OF QUESTIONS

12

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ANSWER IN THE SPACES PROVIDED

Question number	**Additional page, if required.** **Write the question numbers in the left-hand margin.**

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There are no questions printed on this page

Do not write outside the box

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