



Please write clearly in block capitals.

Centre number

Candidate number

Surname

Forename(s)

Candidate signature

I declare this is my own work.

Functional Skills Level 2

MATHEMATICS

Paper 1 Non-Calculator

Monday 9 January 2023

Morning

Time allowed: 30 minutes

Materials
For this paper you must have:

- mathematical instruments.

You must **not** use a calculator.



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

- 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.

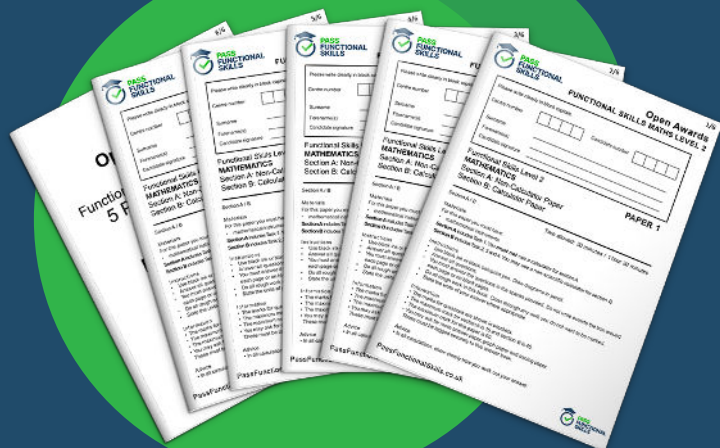
Advice
In all calculations, show clearly how you work out your answer.



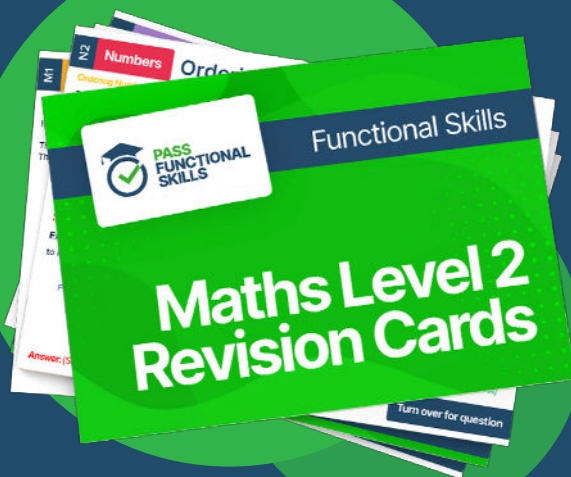
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Functional Skills Maths
Level 2 Practice Papers



Functional Skills Maths
Level 2 Revision Cards



Functional Skills English Level 2
Practice Papers & Revision Cards



Functional Skills Maths
Level 2 Pocket Revision Guide

Section A

Answer **all** questions in the spaces provided.Do not write
outside the
box

- 1 Round 2356 to the nearest 500

[1 mark]

$$2356 - 2000 = 356 \quad 2500 - 2356 = 144$$

Answer 2500

- 2 Work out the value of
- $\frac{3}{10} + \frac{1}{100}$
- as a decimal.

Circle your answer.

$$\frac{30}{100} + \frac{1}{100} = \frac{31}{100}$$

[1 mark]

0.004

0.31

0.4

3.1

- 3 Share 192 in the ratio 5 : 1

[2 marks]

$$192 \div (5 + 1) = 32$$

$$32 \times 5 = 160$$

Answer 160 : 32

Do not write
outside the
box

4 Work out $7 + 3 \times 4^2$

[2 marks]

$$7 + 3 \times 4 \times 4$$

$$7 + 48 = 55$$

Answer 55

5 The exterior angle of a polygon is 72°

Work out the interior angle.

[2 marks]

$$180 - 72 = 108$$

Answer 108 $^\circ$

8

Turn over ►



0 3

Section B

Do not write
outside the
boxAnswer **all** questions in the spaces provided.

6 Cheese

Jana makes cheese.

6 (a) On Tuesday, Jana made

 $2\frac{7}{8}$ kg of cheese in the morning

and

 $1\frac{1}{4}$ kg of cheese in the afternoon.

Jana says,

"I made **more than** 4 kg of cheese on Tuesday."

Is she correct?

You **must** show your working.

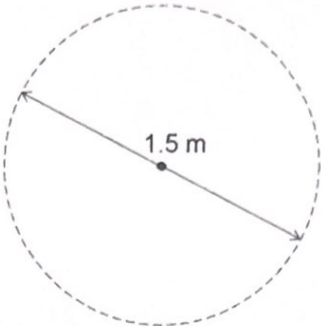
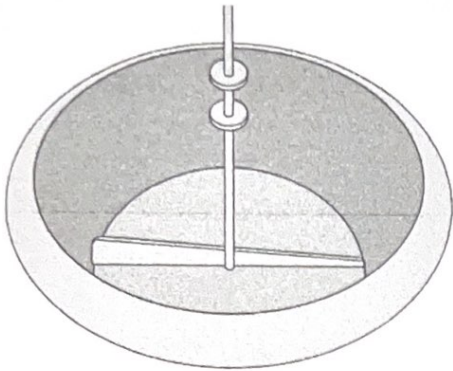
[3 marks]

$$\begin{aligned} 2\frac{7}{8} + 1\frac{1}{4} &= \frac{23}{8} + \frac{5}{4} \\ &= \frac{23}{8} + \frac{10}{8} \\ &= \frac{33}{8} \\ &= 4\frac{1}{8} > 4 \quad \text{so yes she is} \\ &\quad \text{correct.} \end{aligned}$$



Do not write
outside the
box

- 6 (b) The cheese is mixed using a straight paddle that is 1.5 metres long.
The paddle is fixed at the centre and moves in a circle.



Not drawn
accurately

The end of the paddle completes one full rotation every 5 seconds.
Work out the speed of the end of the paddle.
Use $\pi = 3.14$

[4 marks]

$1.5 \times \pi = 4.71$

$4.71 \div 5 = 0.94$

Answer 0.94 metres per second

Turn over ►



Do not write
outside the
box

6 (c) Jana makes 120 pieces of cheese.
Of these 120 pieces
75% are strong
one third are soft
57 are strong and hard.
Jana chooses one of the pieces at random.
Work out the probability that the piece is **mild, soft** cheese.
You may use the table to help you.

[5 marks]

	Soft	Hard	Total
Strong	33	57	90
Mild	7		30
Total	40	80	120

see table { $120 \div 4 \times 3 = 90$ strong
 $120 \div 3 = 40$ soft
 $90 - 57 = 33$
 $40 - 33 = 7$
probability cheese is soft and mild $\frac{7}{120}$
Answer $\frac{7}{120}$

12

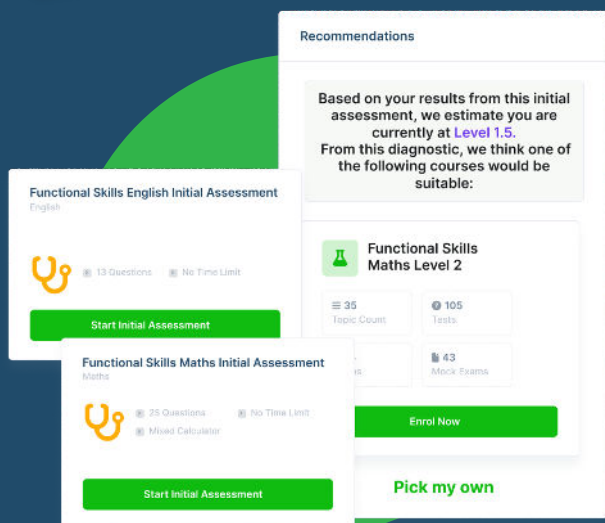
END OF QUESTIONS



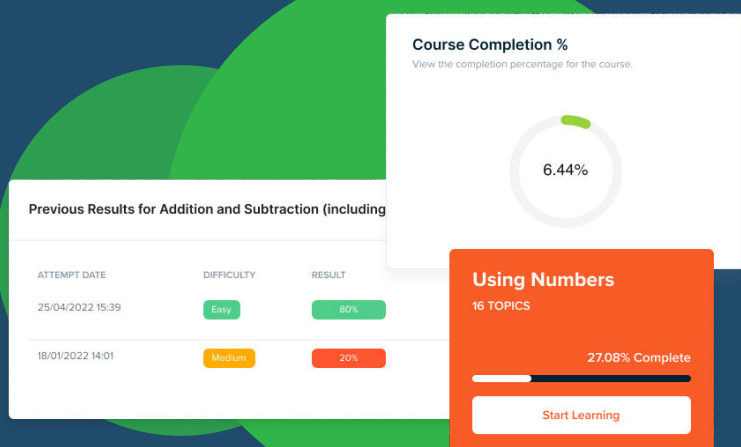
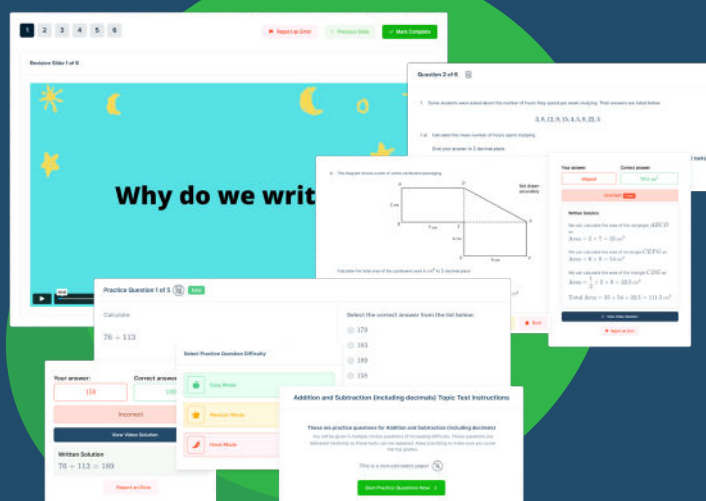


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- ✓ Your answers are analysed to determine your Current Level
- ✓ Suggested courses for you to enrol on based on your calculated level
- ✓ Always know the level you are currently working at
- ✓ Determine when you are ready to sit your exam



- ✓ Explainer videos on every topic
- ✓ Quick-fire style multiple choice questions
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- ✓ Written solutions for all questions



- ✓ See your progress through as you progress through each topic area
- ✓ Get your average scores for practice questions, topic tests and mock exams
- ✓ View all practice question, topic test and mock exam attempts over time
- ✓ View historical attempts to analyse your progress over time