

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

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Forename(s)

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Candidate signature

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# Functional Skills Level 1

## MATHEMATICS

### (8361)

Paper 1 Non-Calculator Paper

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.
- 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.

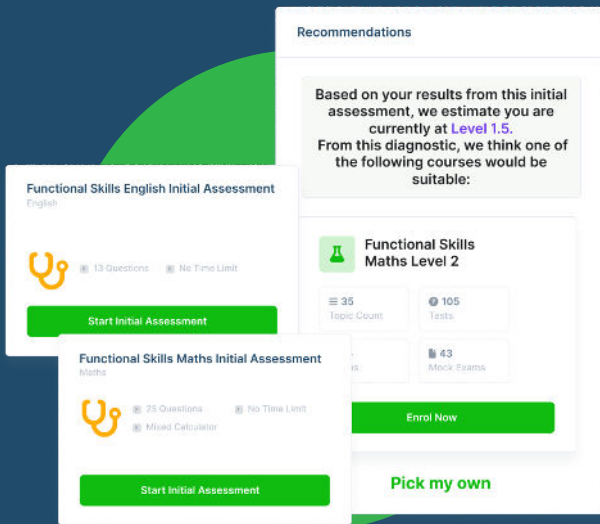
#### Advice

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

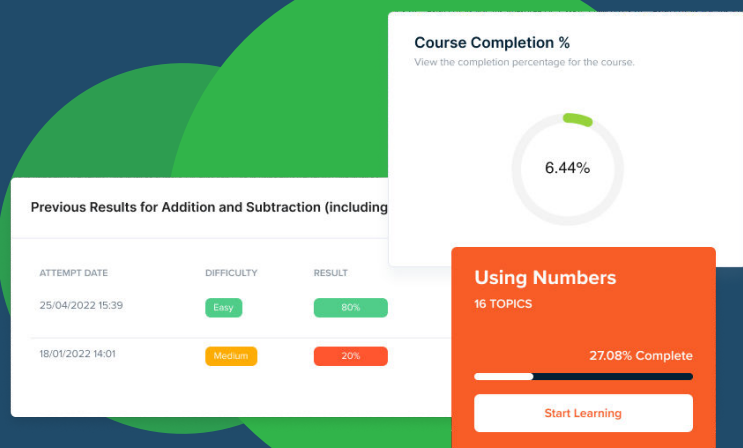
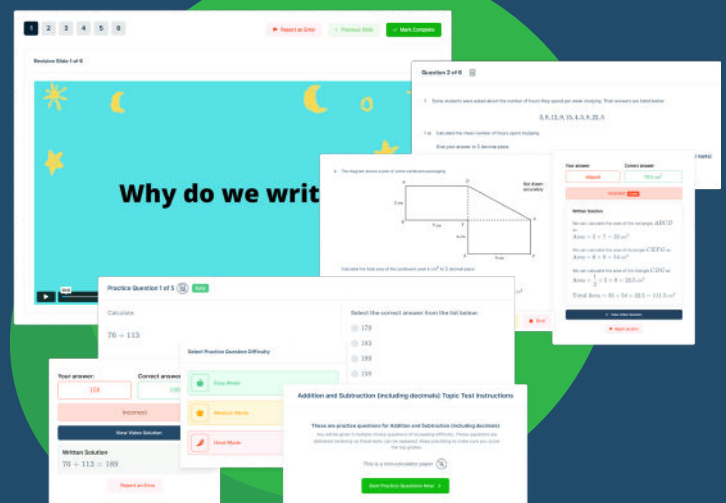


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- ✓ Always know the level you are currently working at
- ✓ Determine when you are ready to sit your exam



- ✓ Explainer videos on every topic
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- ✓ Written solutions for all questions



- ✓ See your progress through as you progress through each topic area
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- ✓ View all practice question, topic test and mock exam attempts over time
- ✓ View historical attempts to analyse your progress over time

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**There are no questions printed on this page**

*Do not write  
outside the  
box*

**DO NOT WRITE ON THIS PAGE  
ANSWER IN THE SPACES PROVIDED**

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

- 1 Work out  $1.2 \times 100$   
Circle your answer.

**[1 mark]**

1.200

100.2

120

1200

- 2 Write in digits thirty two thousand

**[1 mark]**

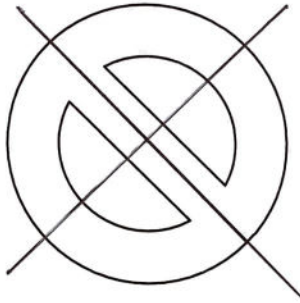
Answer

32000

**Turn over for the next question**

- 3 Draw all the lines of symmetry on this shape.

[1 mark]



- 4 Work out  $7.28 \div 4$

[1 mark]

$$7.28 \div 4 = 1.82$$

Answer

1.82

- 5 Here are five numbers

4    5    9    16    16

Work out the range.

[1 mark]

$$16 - 4 = 12$$

Answer

12

6 Work out 25% of 76

[1 mark]

$$25\% = 0.25$$

$$0.25 \times 76 = 19$$

Answer

19 .

7 Work out  $15 + 35 \div 5$ 

[2 marks]

$$35 \div 5 = 7$$

$$15 + 7 = 22$$

Answer

22

Turn over for Section B

**Section B**Answer **all** questions in the spaces provided.**8 Garden design**

Erin runs a gardening company.

A customer has asked Erin to design and build a new garden.

The garden will be a rectangle measuring 11 metres by 9 metres.

**8 (a)** Here is a list of what the customer wants in the garden.

A paved area

- 2 m by 2 m square
- in one corner

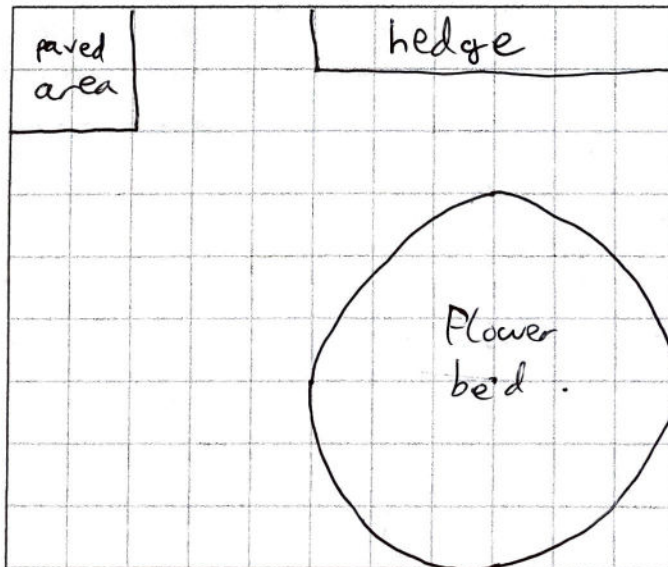
A hedge

- 6 m by 1 m rectangle
- along one edge

A flower bed

- a circle with a radius of 3 m

On the scale diagram below show a possible design for the garden.

**[3 marks]****Scale:** 1 cm represents 1 m

- 8 (b) The table shows the amounts that Erin charges the customer.

	Charge
Designing the garden	<del>£49.99</del>
Materials	<del>£62.73</del>
Building the garden	£10 per square metre

How much does she charge altogether?

[4 marks]

$$11 \times 9 = 99 \text{ m}^2$$

$$99 \times 10 = \text{£}990$$

$$\text{£}990 + \text{£}49.99 + \text{£}62.73$$

$$= \text{£}1102.72$$

Answer £ 1102.72

- 8 (c) It will take ~~48 hours~~ of work to complete the garden.

The garden must be finished in 3 days.

Each gardener works for 8 hours per day.

How many gardeners are needed?

[2 marks]

$$3 \times 8 = 24$$

$$48 \div 24 = 2$$

Answer 2

Question 8 continues on the next page



- 8 (d) The paved area is a square with sides 2 m long.  
The paving stones for this area are squares that measure 50 cm by 50 cm  
How many paving stones are needed?

**[3 marks]**

$$50\text{cm} = 0.5\text{m}$$

$$2 \div 0.5 = 4$$

$$4^2 = 16$$

Answer

16

3

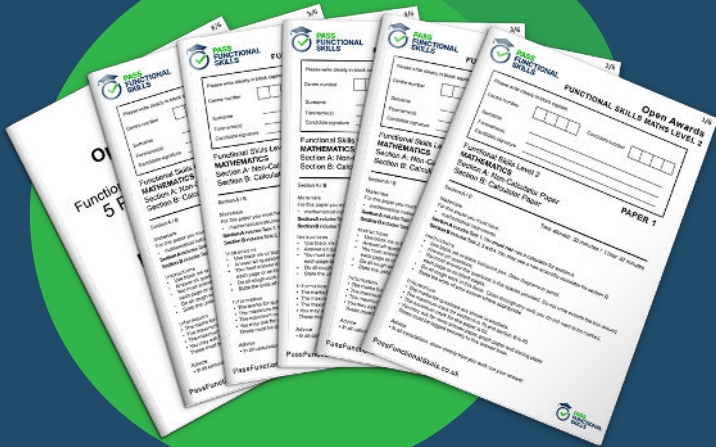
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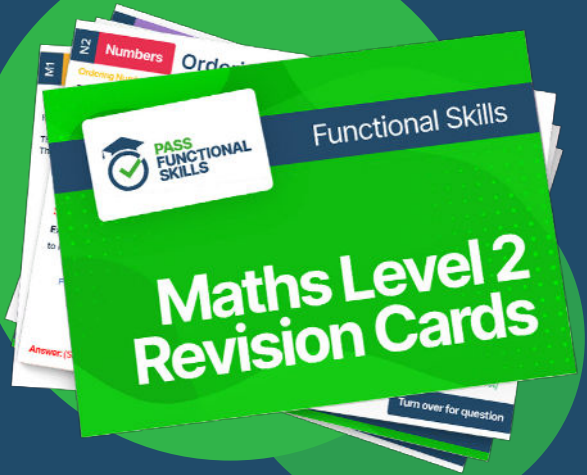
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