AQA

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 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.

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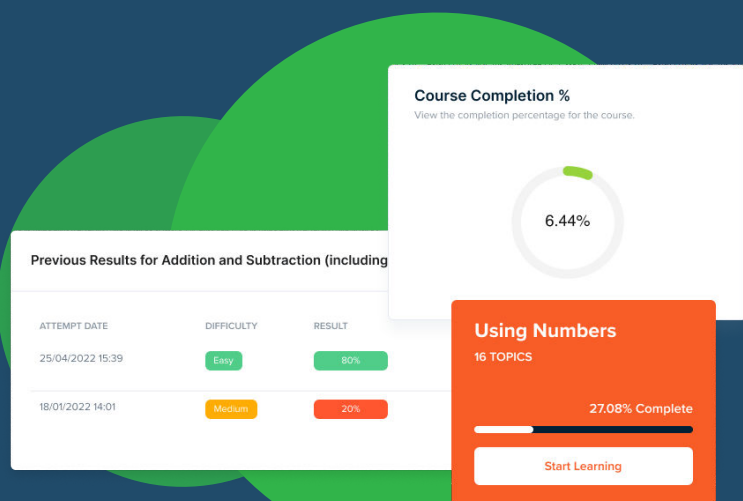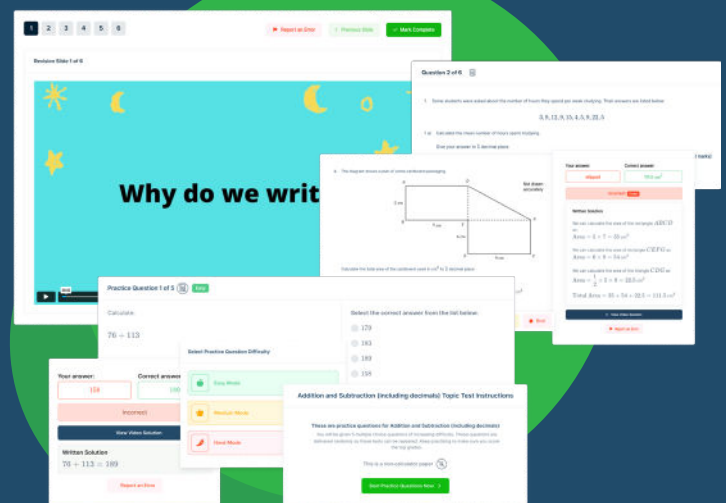In all calculations, show clearly how you work out your answer.

FUNCTIONAL SKILLS ONLINE COURSES

✅ 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 mutiple choice questions

✅ Test your knowledge with exam-style questions

✅ 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

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Section A

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

1 Circle the negative integer.

[1 mark]

−1.4   8   0.6   (−23)

2 Work out $97\,004 \div 1000$

[1 mark]

$$97.004.$$

Answer   97 . 004

3 Work out $5^2 + 3^2$

[2 marks]

$5^2 = 5 \times 5 = 25$

$3^2 = 3 \times 3 = 9$

$25 + 9 = 34$

Answer   34

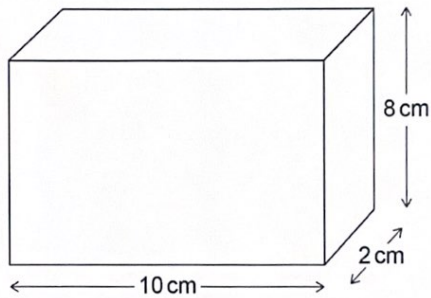PassFunctionalSkills.co.uk

4 Write two and four fifths in digits.

[1 mark]

$$2\frac{4}{5} = 2 + \frac{4}{5} = 2 + 0.8 = 2.8$$

Answer   2.8

5

Work out the volume of the cuboid.

State the units of your answer.

[3 marks]

$$10 \times 2 \times 8 = 160 \text{ cm}^3$$

Answer   160 cm³

8

Turn over ▶

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

6 **Jewellery**

Libby makes and sells jewellery.

6 (a) Libby is making a bracelet.

She uses white beads and blue beads in the ratio 1 : 3

Libby uses 6 white beads for the bracelet.

She has 10 blue beads.

How many **more** blue beads does she need to complete the bracelet?

[2 marks]

$$x6 \left\{ \begin{array}{c} 1 : 3 \\ 6 : 18 \end{array} \right\} x6$$

$$18 - 10 = 8$$

She needs 8 more blue beads

Answer _____ 8 _____

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6 (b)   Libby makes necklaces and bracelets from chain.

She buys a 2-metre roll of chain.

She uses $\frac{1}{4}$ of the chain to make a necklace.

She uses the **rest** of the chain to make bracelets.

Libby needs 20 cm of chain to make each bracelet.

How many bracelets can she make?

[5 marks]

$\frac{1}{4}$ of 2 = 0.5

2 - 0.5 = 1.5m left

1.5m = 1.5×100 = 150 cm

150 ÷ 20 = 7.5 bracelets

Can only make full bracelets.

So Libby can make 7 bracelets.

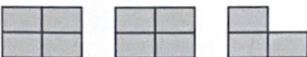Answer _____ 7 _____

Question 6 continues on the next page

Turn over ▶

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6 (c)   Libby sells her jewellery at a craft fair.

The pictogram shows some information about the items of jewellery she sold one day.

Key: [grid] = 4 items

Necklace		16
Anklet		11
Bracelet		12
Ring		6

In total, Libby sold 45 items of jewellery that day.

She sold twice as many bracelets as rings.

Complete the pictogram.

[5 marks]

$45 - 16 - 11 = 18$

$18 \div 3 = 6$

$6 \times 2 = 12$

12 bracelets

6 rings

12

END OF QUESTIONS

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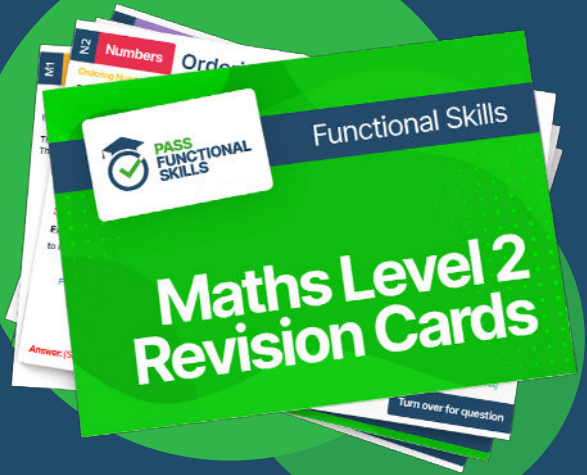DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED

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