AQA

Functional Skills Level 1 MATHEMATICS
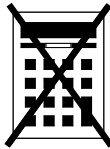
Paper 1 Non-Calculator

Monday 9 January 2023   Morning   Time allowed: 30 minutes

Materials

For this paper you must have:
- mathematical instruments.

You must **not** use a calculator.

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
1–6	
7	
TOTAL	

Section A

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

1   Work out 4^2

Circle your answer.

[1 mark]

0.5   6   8   16

2   Work out   1.345 × 100

[1 mark]

Answer _____

3   A fair, ordinary dice is rolled.

What is the probability that it lands on an **odd** number?

[1 mark]

Answer _____

4 Work out $\quad 9 + 15 \div 3$

[2 marks]

_____

_____

_____

Answer _____

5 $\quad 6 \times 17 = 102$

Use this information to work out $\quad 6 \times 0.17$

[1 mark]

_____

Answer _____

6 Work out $\quad \dfrac{2}{5}$ of 30

[2 marks]

_____

_____

_____

Answer _____

8

Turn over ▶

Section B

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

7   Charity Walk

Theo is taking part in a charity walk between the towns of Armville and Dendell.

7 (a)   Theo will

    take three days to do the walk

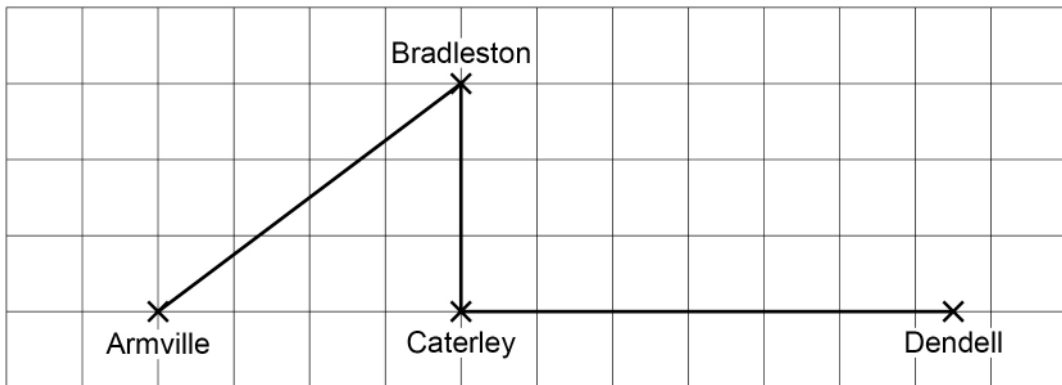   walk between two towns each day.

Here is a plan of the walk.

Day	Start Town	End Town
1	Armville	Bradleston
2	Bradleston	Caterley
3	Caterley	Dendell

The scale diagram on the centimetre grid shows Theo's walk.

Scale: 1 cm represents 4 km

Is the walk **more than** 50 km?
You **must** show your working.

[4 marks]

_____

_____

_____

_____

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Turn over ▶

7 (b) On the walk, Theo comes to a gate in an L-shaped field.

Gate •←————— 1360 m —————→

•Stile

1040 m

760 m
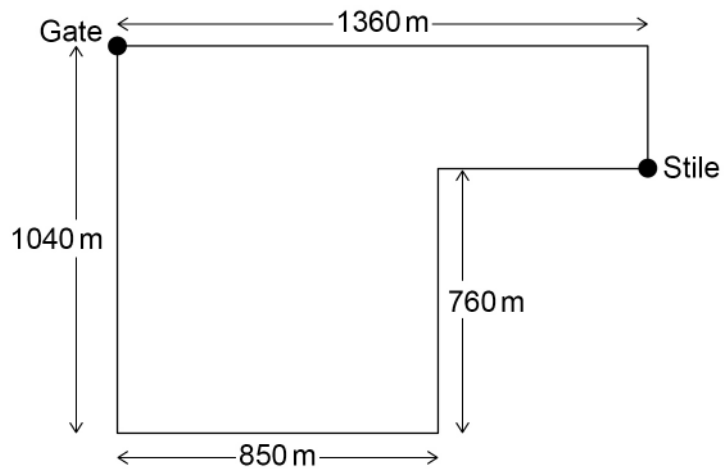
Not drawn accurately

←——— 850 m ———→

Theo has to walk from the gate to the stile.

He can only walk along the sides of the field.

Theo can

walk along two sides

or

walk along four sides.

How much shorter is it to walk along **two** sides?

[4 marks]

Answer _____ m

7 (c) People pay to take part in the charity walk.

The normal cost is £36 per person.

Group Discount

Group of 4 or more,
normal cost reduced by 10%

Theo is in a group of 7 people.

Work out the **total** cost for the group.

[4 marks]

Answer £ _____

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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