

Instructions

You **may not** use a calculator to answer any questions in this test.

Questions and answers

You have **50 minutes** to complete this test.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do working out, you can use the space around the question.

Some questions have a method box like this:

Show your method

For these questions you may get a mark for showing your method.

If you cannot do one of the questions, **go on to the next one.**

You can come back to it later, if you have time.

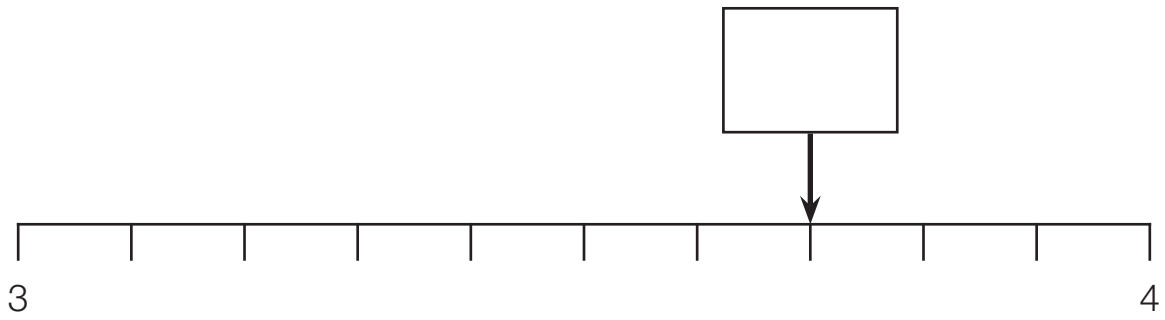
If you finish before the end, **go back and check your work.**

Marks

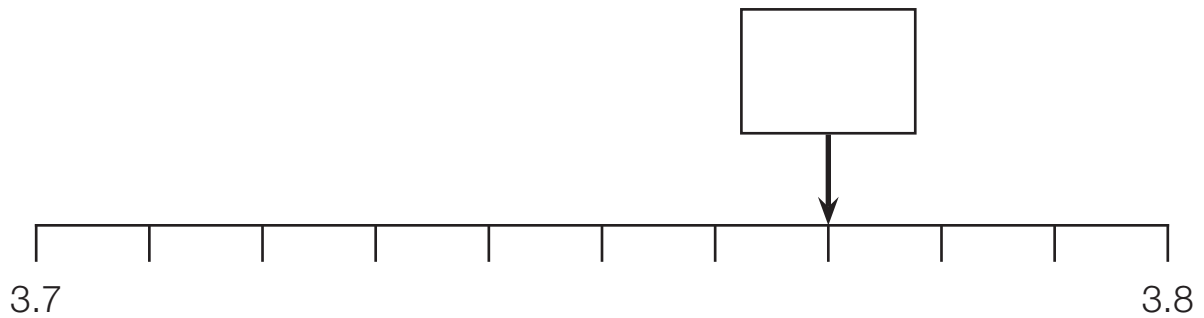
The number under each line at the side of the page tells you the maximum number of marks for each question.

11

Fill in the decimals marked by each arrow.



1 mark



1 mark

12

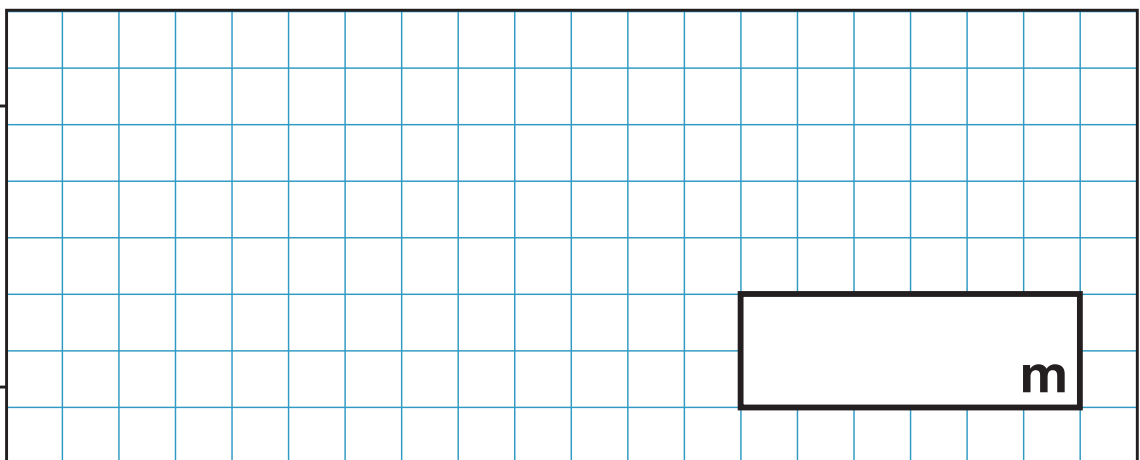
Aisha runs 4 laps of a running track.

The total distance Aisha runs is 800 metres.

Ben runs 7 laps of the same track.

How far does Ben run?

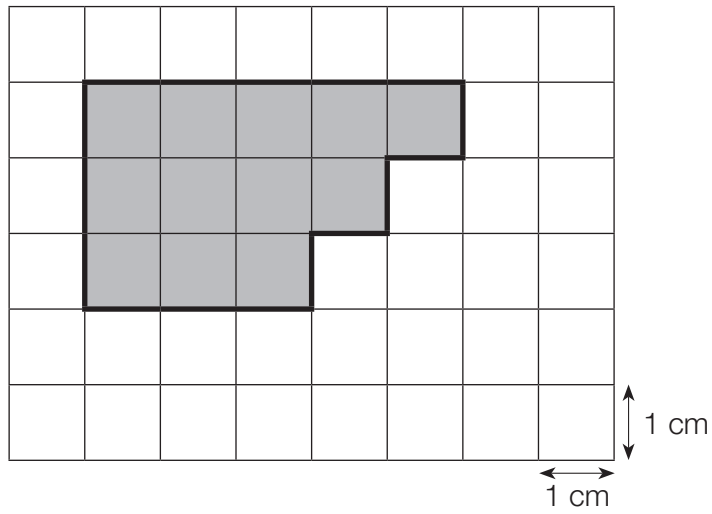
Show
your
method



2 marks

13

A shape is drawn on a centimetre square grid.

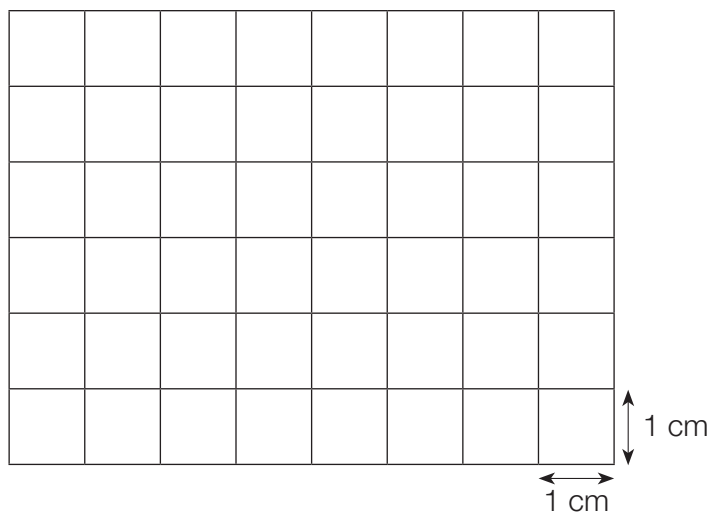


What is the area of the shape?

cm²

1 mark

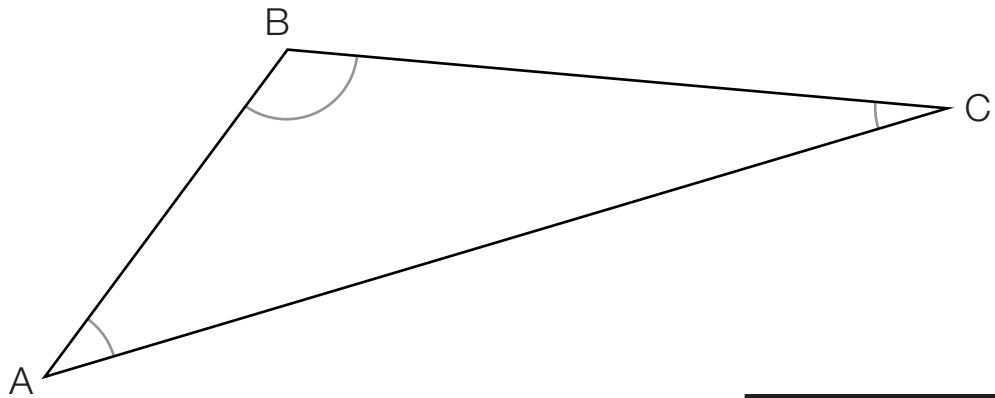
Draw a shape with an area that is **three quarters** the size of the one above.



1 mark

14

Measure the angle at B.

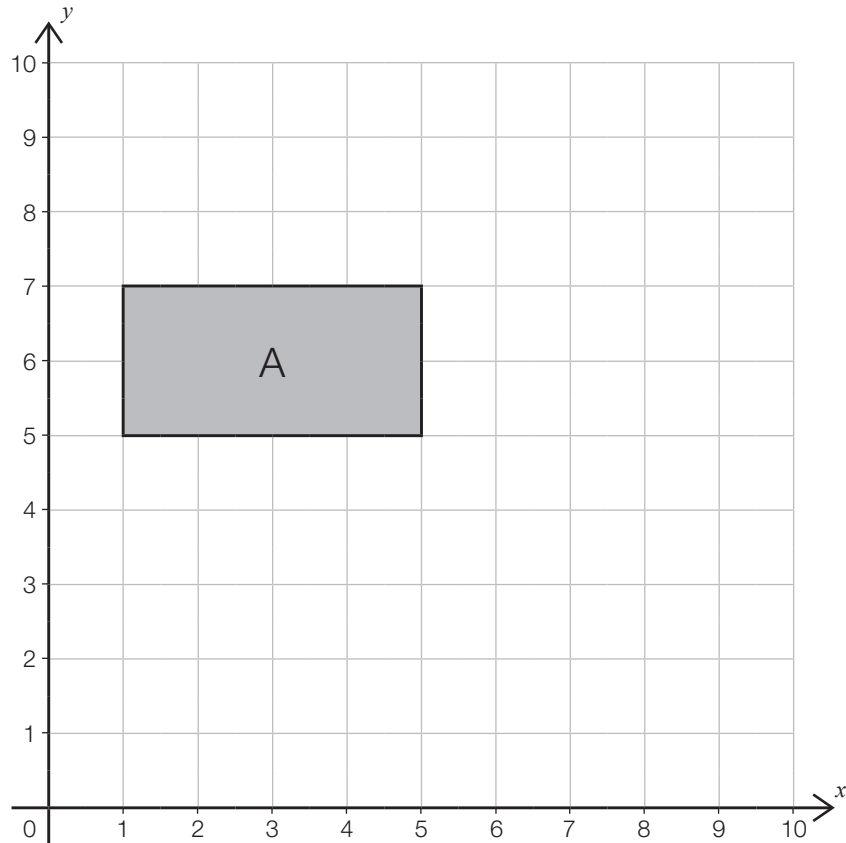


1 mark

15

Rectangle A is translated 4 squares right and 3 squares down.

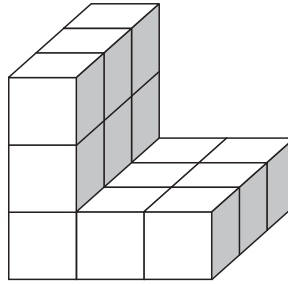
Draw the new rectangle.



1 mark

16

Max has made a 3D shape using centimetre cubes.



Max says,



The shape has a volume of 13 centimetre cubes.

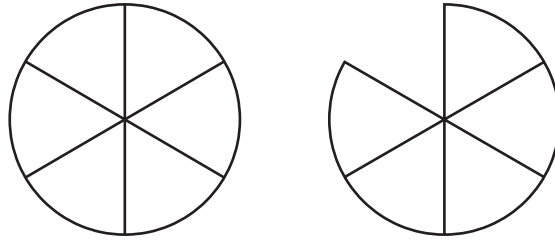
Is Max correct?

Explain your answer.

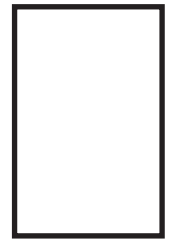
1 mark

17

Write $1\frac{5}{6}$ as an improper fraction.



You can use the diagram to help you.



1 mark

Write $\frac{13}{5}$ as a mixed number.



1 mark

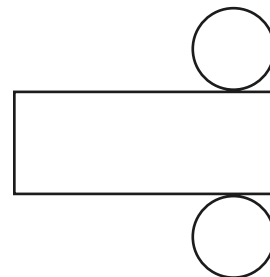
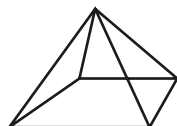
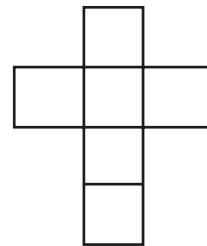
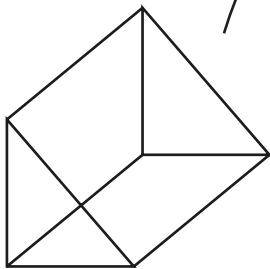
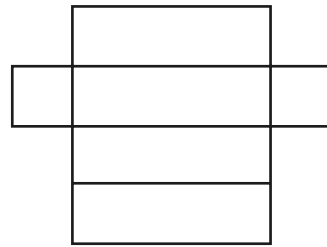
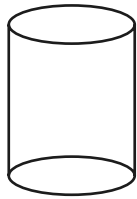
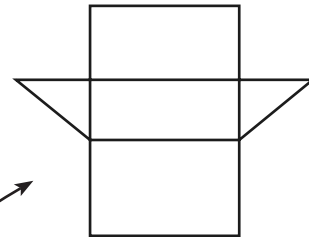
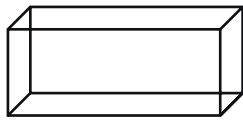
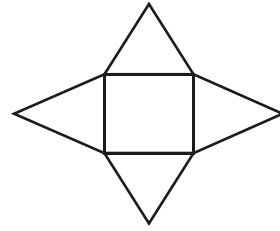
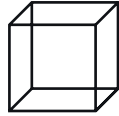
Use the **same** number to complete the boxes.

$$3 \frac{4}{\square} = \frac{25}{\square}$$

1 mark

Match each net to the correct 3D solid.

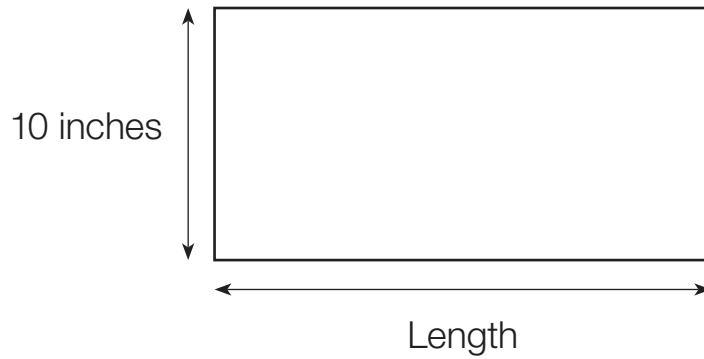
One has been done for you.



2 marks

19

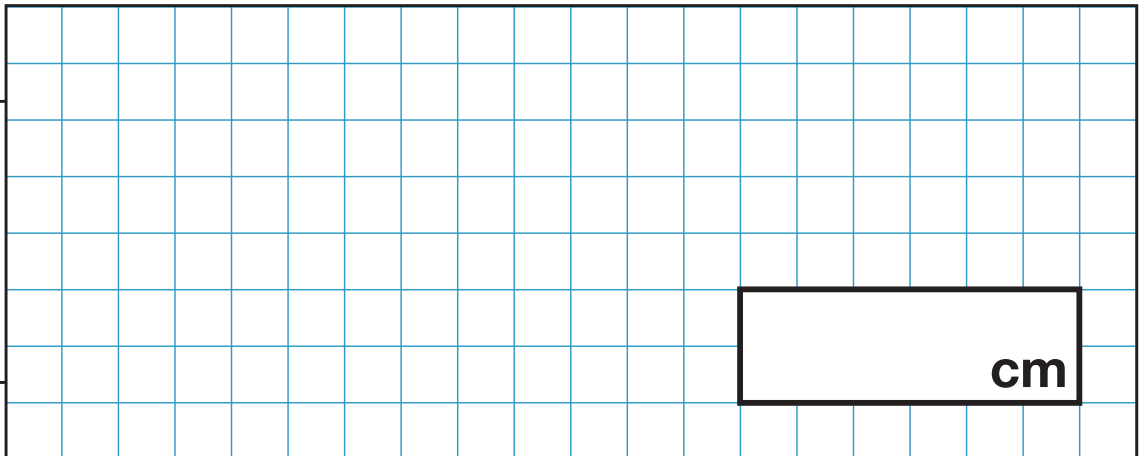
The length of a paving slab is **double** the width.



One inch is approximately 2.5 cm.

Work out the approximate length of the paving slab in centimetres.

Show
your
method



2 marks

