



BOOSTER WORKBOOK

Measurement

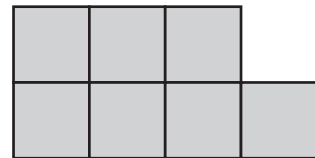
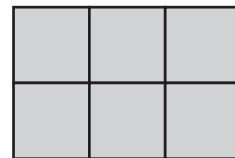
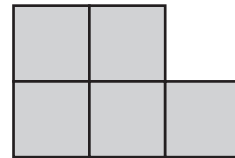
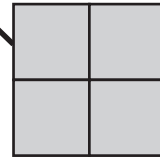
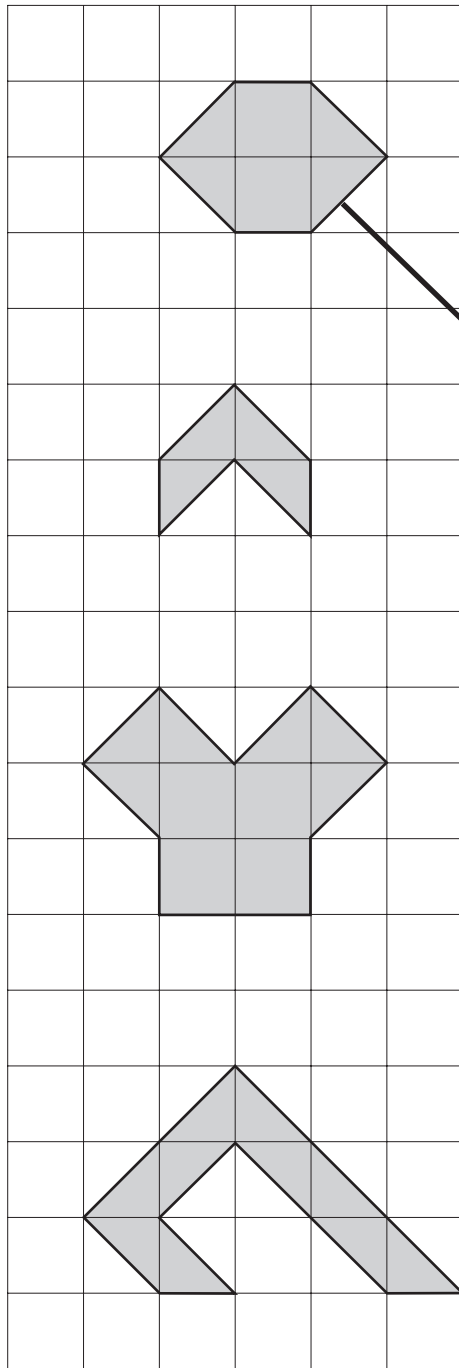
M7

Perimeter and area

5

Match each shape on the left to one with **equal area** on the right.

One has been done for you.

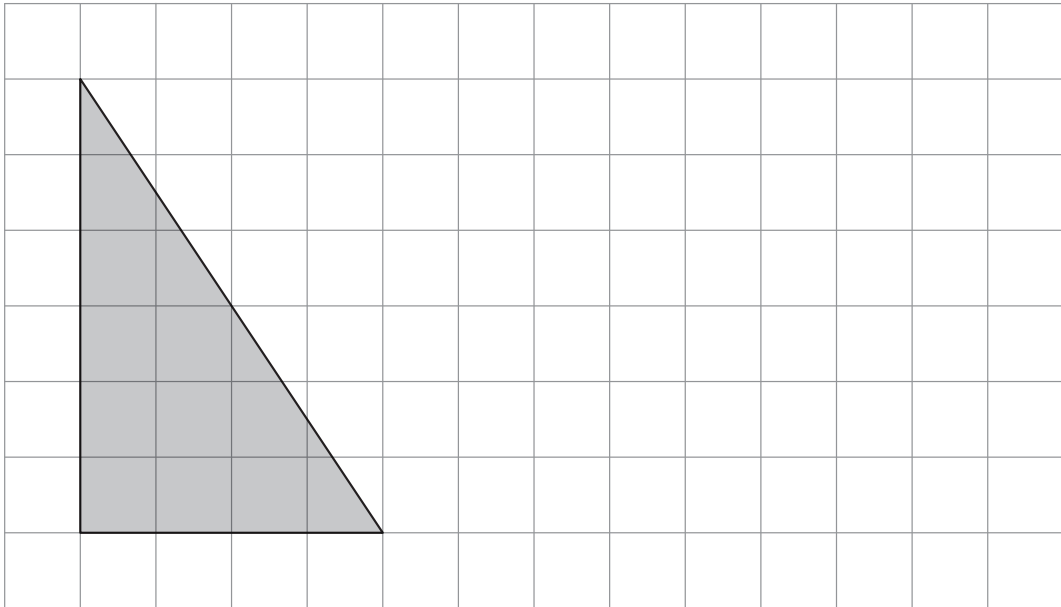


2 marks

10

Draw a rectangle on the grid that has **half** the area of the shaded triangle.

Use a ruler.

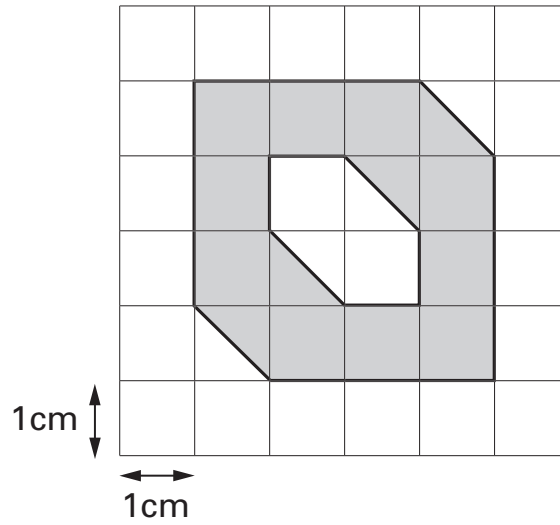


1 mark

12

Here is a 1cm square grid.

Some of the grid is shaded.



What is the **area** that is shaded?



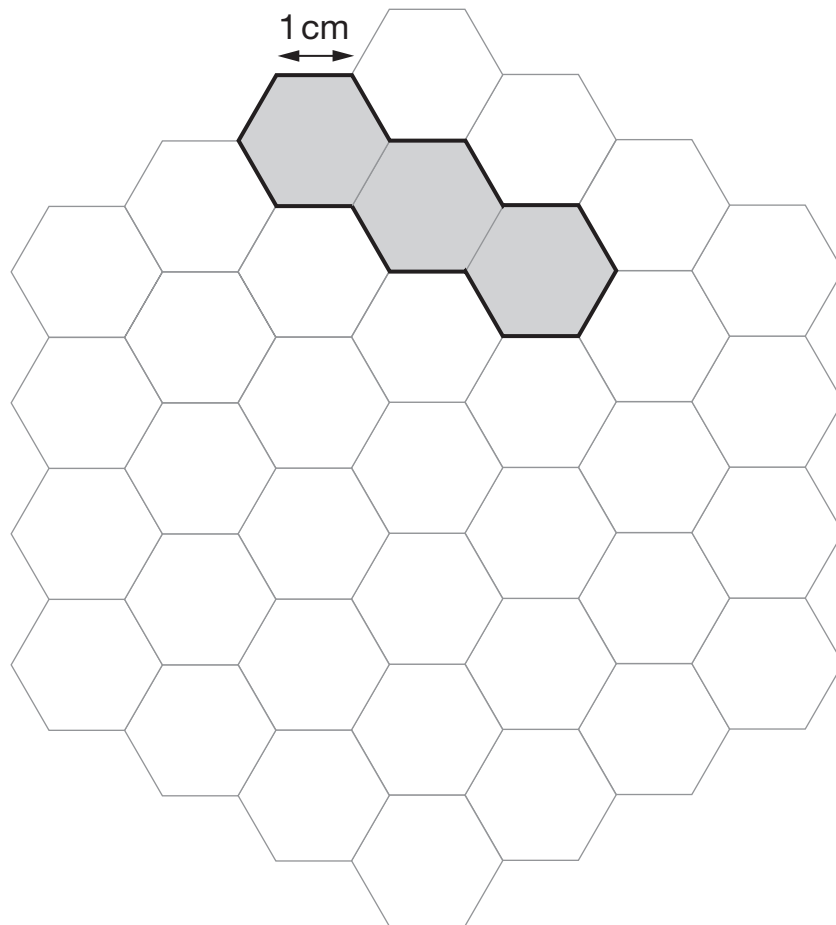
1 mark

14

Here is a grid of regular hexagons.

The shaded shape has an area of 3 hexagons and a perimeter of 14 cm.

Draw another shape on the grid which has an **area** of 4 hexagons and a **perimeter** of 14 cm.

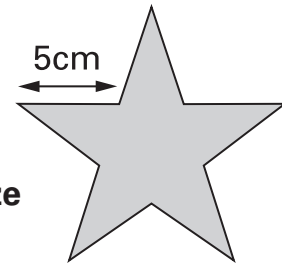


1 mark

15

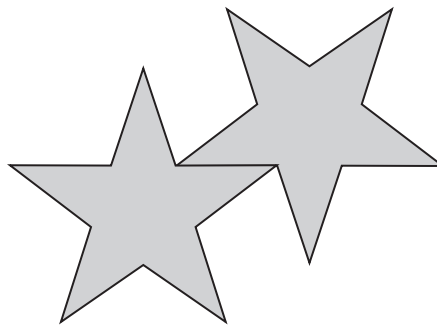
Millie has some star-shaped tiles.

Each edge of a tile is 5 centimetres long.



Not actual size

She puts two tiles together to make this shape.



Work out the perimeter of Millie's shape.



cm

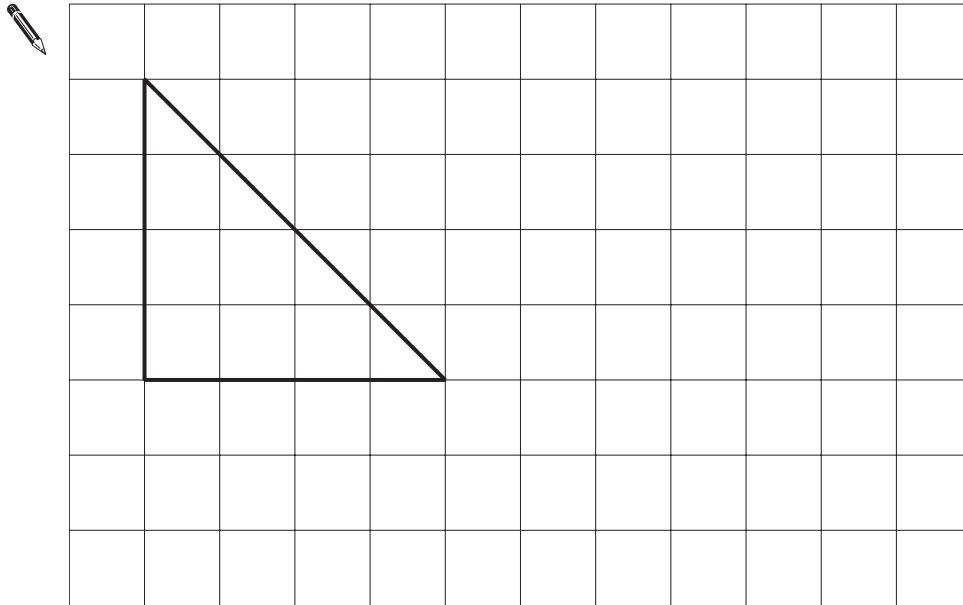
1 mark

15

Here is a triangle drawn on a square grid.

Draw a **rectangle** on the grid with the **same area** as the triangle.

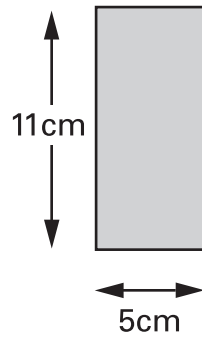
Use a ruler.



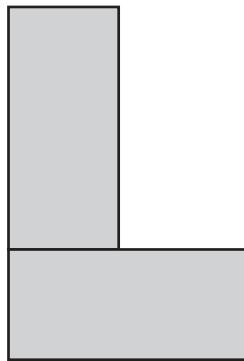
1 mark

19

Liam has two rectangular tiles like this.



He makes this L shape.



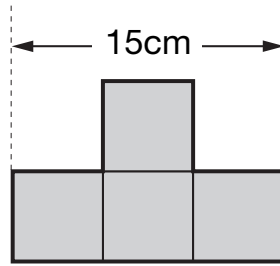
What is the **perimeter** of Liam's L shape?



1 mark

19

This shape is made from 4 shaded squares.



Not
actual size

Calculate the perimeter of the shape.



Show
your **working**.
You may get
a mark.

Blank area for showing working.

cm

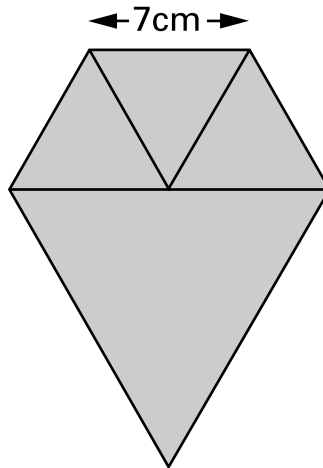
2 marks

20

Lauren has **three small equilateral triangles** and **one large equilateral triangle**.

The small triangles have sides of **7 centimetres**.

Lauren makes this shape.



Not actual size

Calculate the **perimeter** of the shape.

Do **not** use a ruler.



cm

1 mark

20

An isosceles triangle has a perimeter of 12cm.

One of its sides is 5cm.

What could the length of each of the other two sides be?

Two different answers are possible.

Give **both** answers.



and

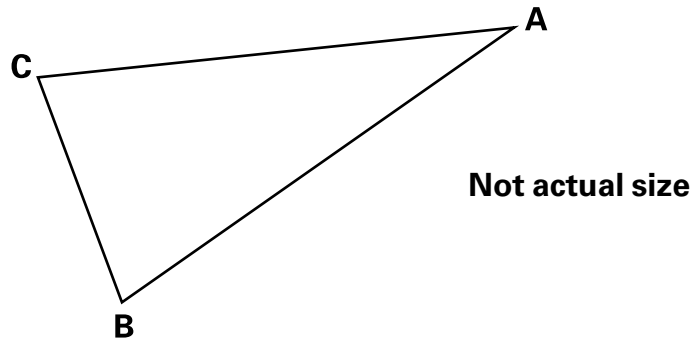
and

2 marks

21

Triangle **ABC** is isosceles and has a perimeter of 20 centimetres.

Sides **AB** and **AC** are each **twice** as long as **BC**.



Calculate the length of the side **BC**.

Do not use a ruler.

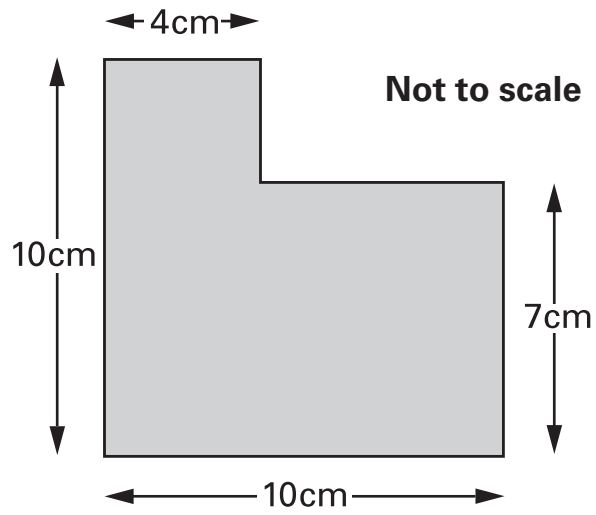
 Show your **working**. You may get a mark.


cm

2 marks

22

What is the **area** of this shape?



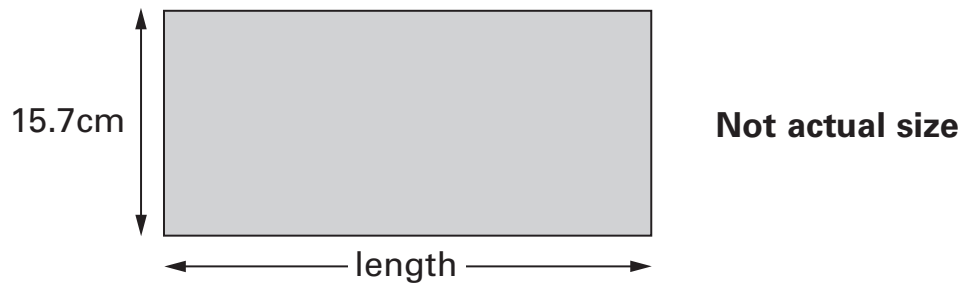
 Show your **method**. You may get a mark.

cm^2

2 marks

24

Here is a rectangle with a width of 15.7 centimetres.



The **perimeter** of this rectangle is 85 centimetres.

Calculate the length of the rectangle.

Show your **method**.
You may get a mark.

cm

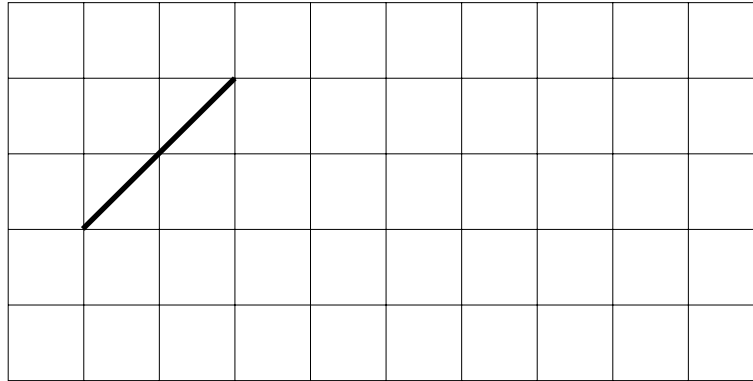
2 marks

25

This is a centimetre grid.

Draw **3 more lines** to make a **parallelogram** with an **area of 10cm^2**

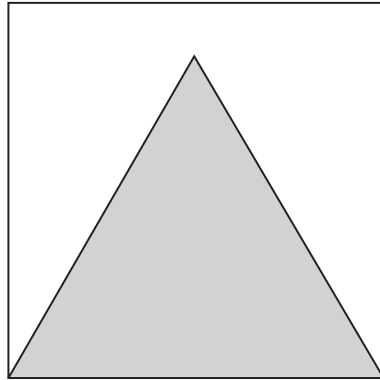
Use a ruler.



1 mark

25

Here is an equilateral triangle inside a square.



Not actual size

The perimeter of the triangle is 48 centimetres.

What is the perimeter of the **square**?

 Show your **working**. You may get a mark.



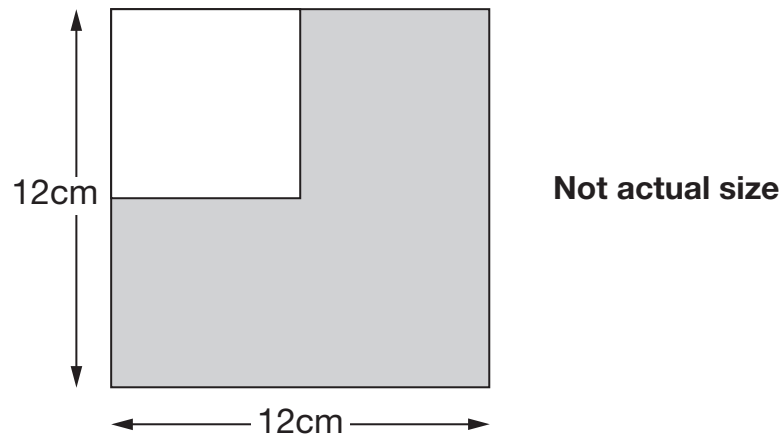


2 marks

26

A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



What is the **area** of the grey section?

Show your **method**.
You may get a mark.

2 marks

cm²