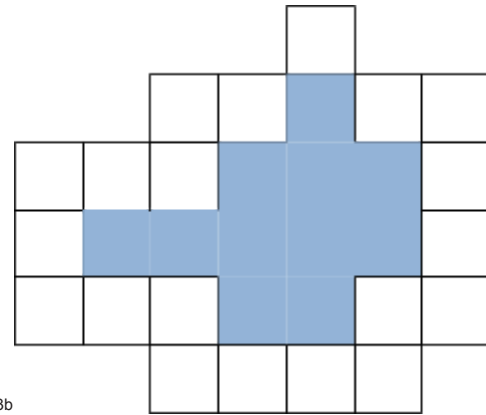


11 Here is a set of 20 squares around a shaded

space.

What is the **area** of the **shaded space**?



squares

1 mark

10.13b

12 This ring is made of regular pentagons, with sides of **5 centimeters**.

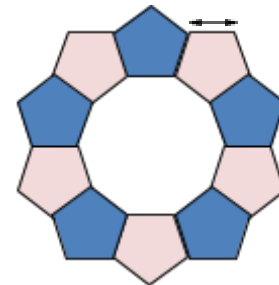
5cm

What is the **length** of the **inner edge** of the ring?

cm

What is the **length** of the **outer edge** of the ring?

cm

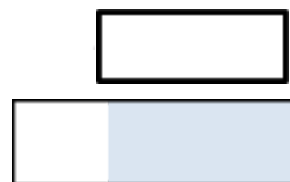


2 marks
12.97a

13 Estimate the **percentage** of this rectangle that is shaded. %

The rectangle measures 12cm in length and 5cm wide. What is the **area** of the **shaded part**?

cm²



2 marks

14 The **ratio** of length to width of this rectangle is **2:1**.



Find the **length** of the rectangle.

cm

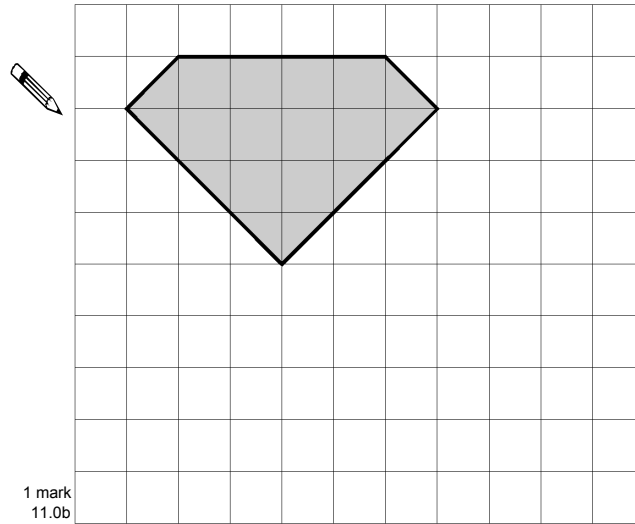
Find the **area** of the rectangle.

cm²

2 marks

15 On the grid, draw a **rectangle** which has the **same area** as this shaded pentagon.

Use a ruler.

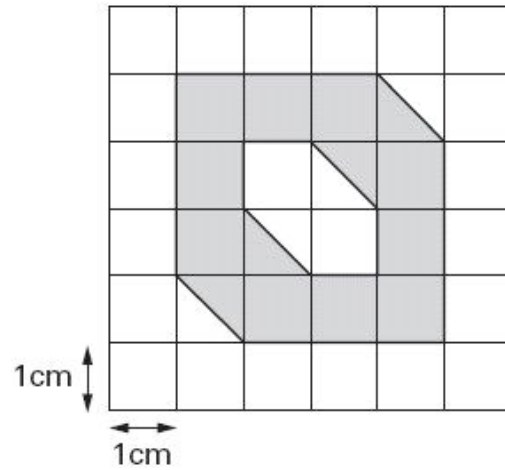
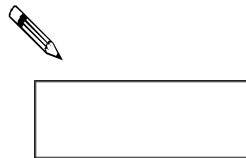


16 Here is a 1cm square grid.

Some of the grid is shaded.

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

cm²



1 mark
12.5b

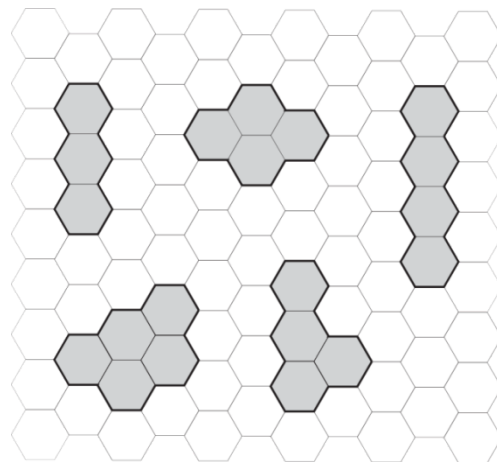
Here are five shapes on a regular grid.

B

Which shape has the longest **perimeter**?

E

D



A
C

1 mark
13.12

Here are some shapes on a 1cm square grid.

B

What is the **perimeter** of shape A?

A

C

D

cm



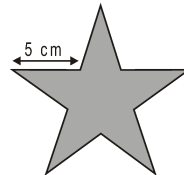
E

Write the letter of the shape that has the **smallest area**.

2 marks
13.11



19 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

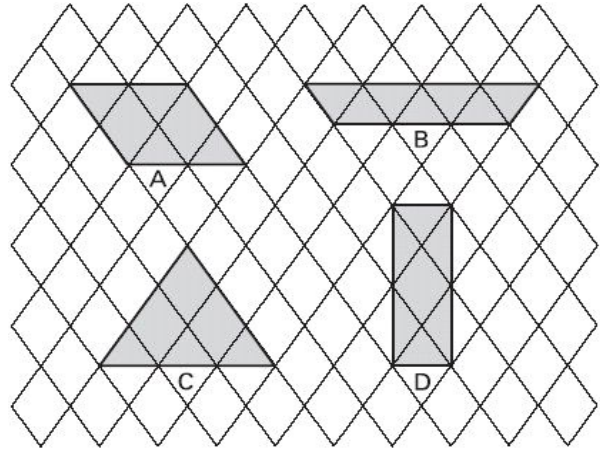
20 Here are some shapes drawn on a grid.

Write the letters of the **two** shapes that are equal in area.



.....

and



1 mark

