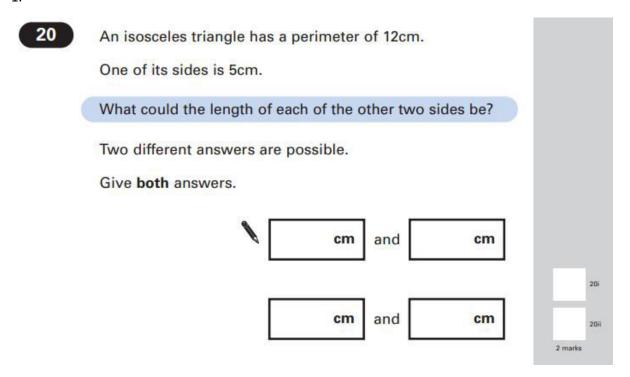
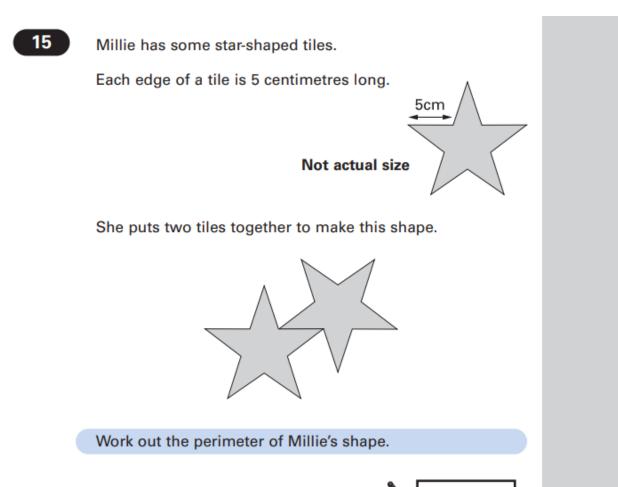
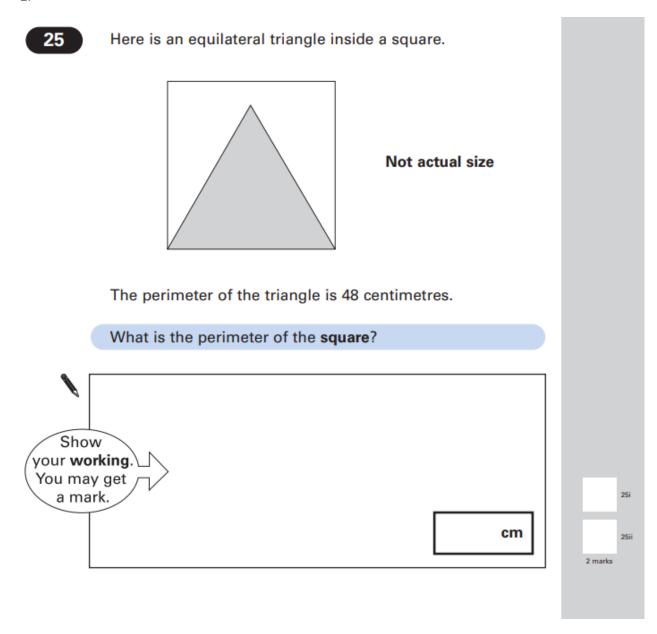
Perimeters - Questions

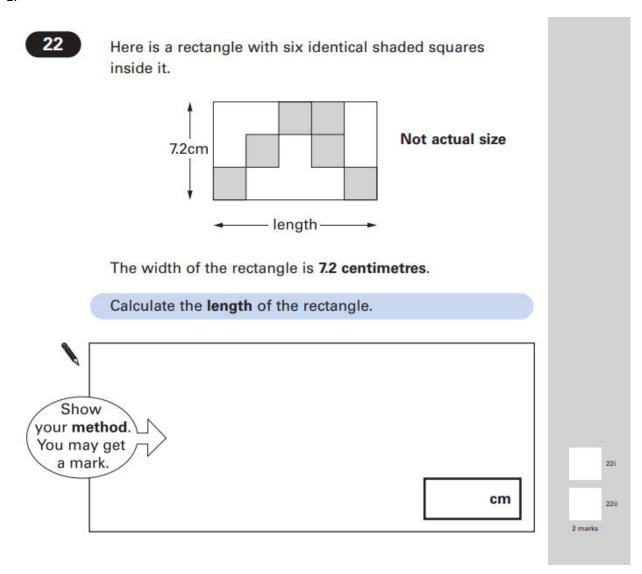
Key Stage 2: 2003 Paper A

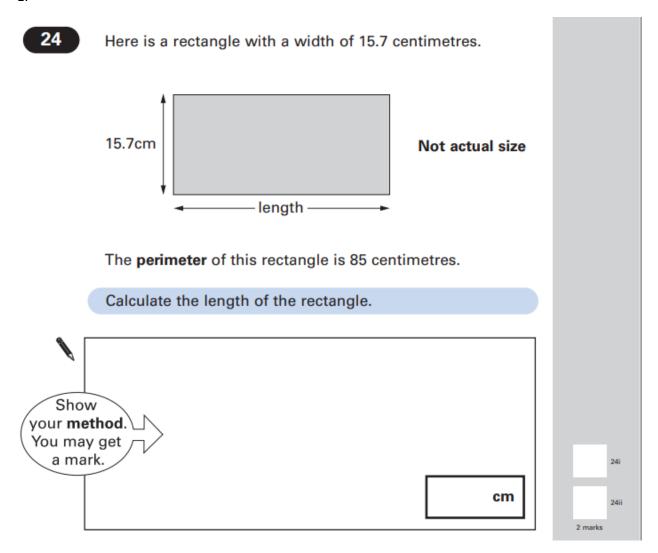




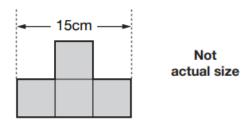
cm







This shape is made from 4 shaded squares.



Calculate the perimeter of the shape.

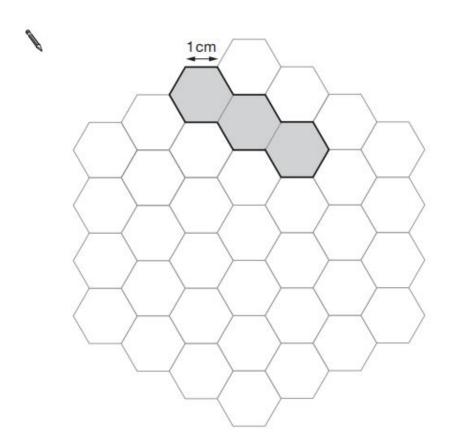


14

Here is a grid of regular hexagons.

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

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

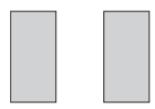


1 mark

The perimeter of a square is 72 centimetres.

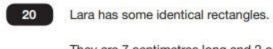


The square is cut in half to make two identical rectangles.

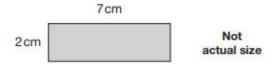


What is the perimeter of one rectangle?

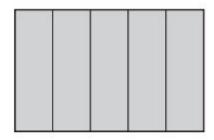




They are 7 centimetres long and 2 centimetres wide.



She uses five of her rectangles to make the large rectangle below.

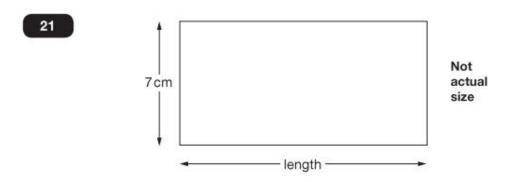


What is the perimeter of the large rectangle?



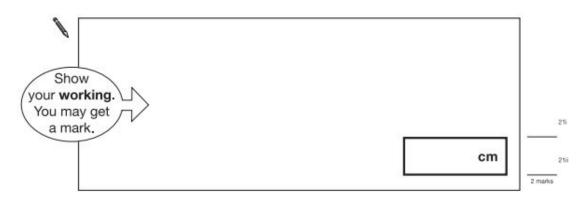
What is the area of the large rectangle?





The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.

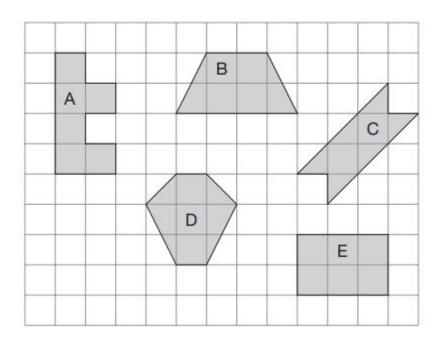


Key Stage 2: 2011 Paper A

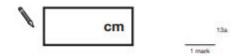
1.

13

Here are some shapes on a 1cm square grid.



What is the perimeter of shape A?

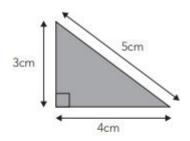


Write the letter of the shape that has the smallest area.



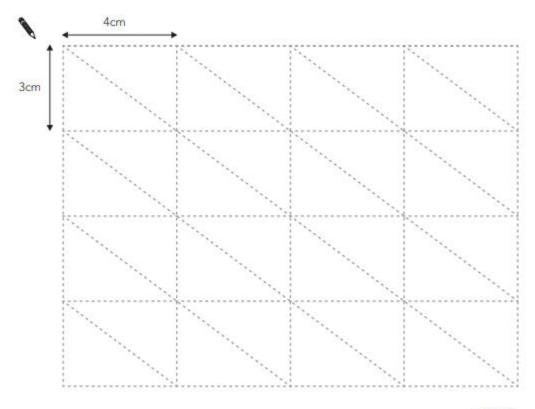
13

The grid below is made of right-angled triangles like this:



Shade triangles on the grid to make a **quadrilateral**.

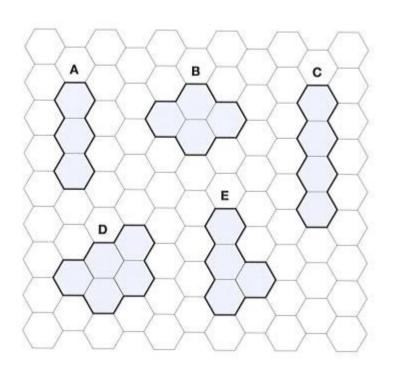
Your quadrilateral must have an area of 24cm² and a perimeter of 26cm.

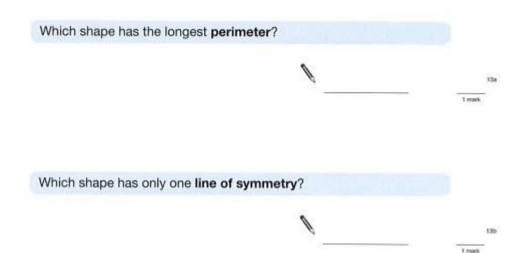


(2 marks)

13

Here are five shapes on a regular grid.





3

The following quadrilaterals all have a perimeter of 36cm

Here is a table to show the length of each side.

Complete the table.

One quadrilateral is done for you.

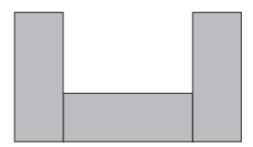
		Side lengths			
	square	9cm	9cm	9cm	9cm
	rectangle	3cm			
	rhombus	9cm			
	kite	10cm			

2 marks

23 Alfie has some rectangles.



He makes this shape using three of the rectangles.

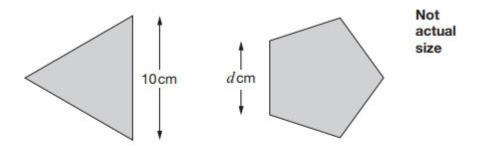


What is the **perimeter** of Alfie's shape?



2

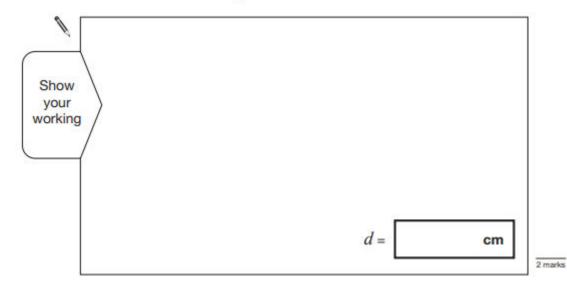
Here are an equilateral triangle and a regular pentagon.



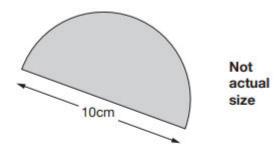
Each side of the triangle is $10 \, \mathrm{cm}$ Each side of the pentagon is $d \, \mathrm{cm}$

The perimeter of the pentagon is 4 centimetres more than the perimeter of the triangle.

What number does d represent?



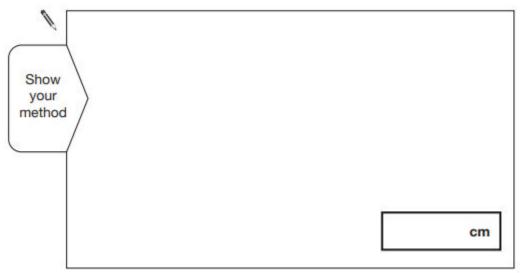
This shape is a semi-circle.



What is the perimeter of the shape?

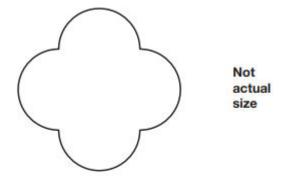
Use this formula:

the circumference of a circle is 3.14 x diameter



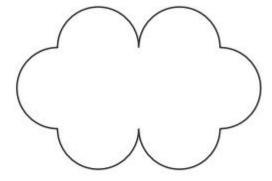
2 marks

15 This shape is made out of four identical curves.



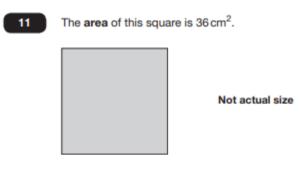
The perimeter of the shape is 28 centimetres.

A new shape is made out of curves of the same size.



What is the perimeter of the new shape?

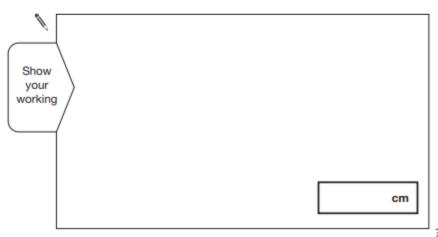




The square is cut into quarters to create 4 identical rectangles.



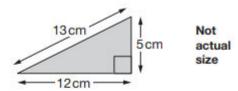
What is the perimeter of one of the small rectangles?



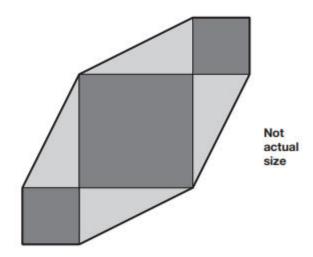
2 marks

20

Chen has some right-angled triangular tiles.



He makes this shape with four of his triangular tiles and three square tiles.



What is the perimeter of Chen's shape?

