testbase

Maths 2

Name: _____

Class: _____

Date: _____
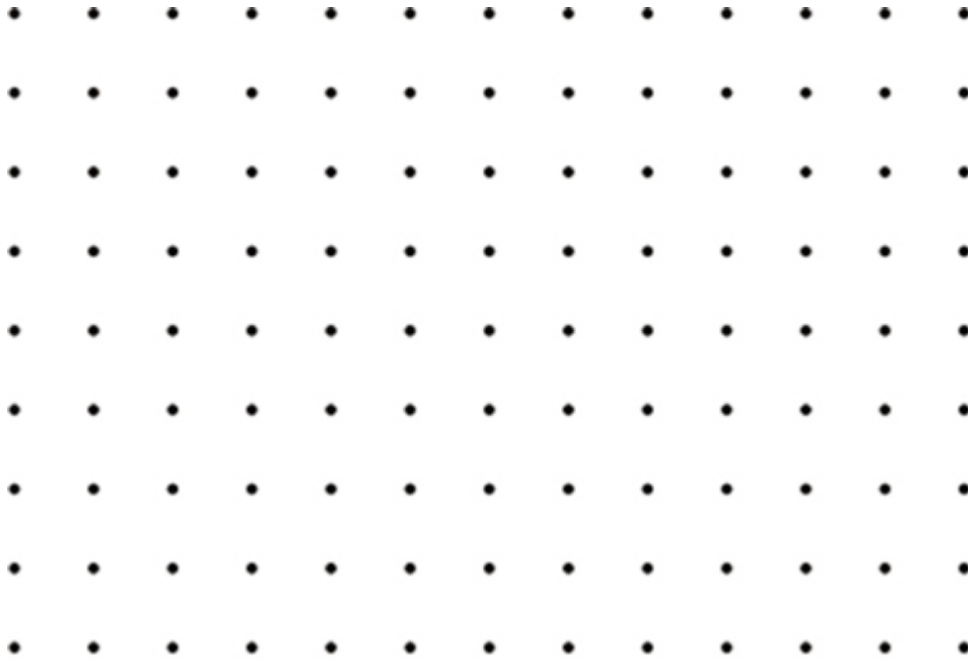
Time: **24 minutes**

Marks: **24 marks**

Comments:

1 Grace has a rectangle with sides of 4 cm and 5 cm.
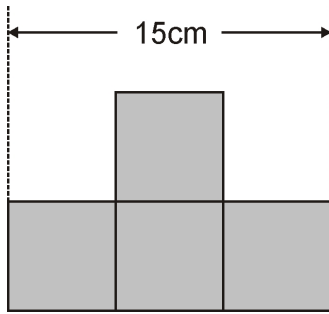
Draw a different rectangle that has the same perimeter.

1 mark

2 This shape is made from 4 shaded squares.

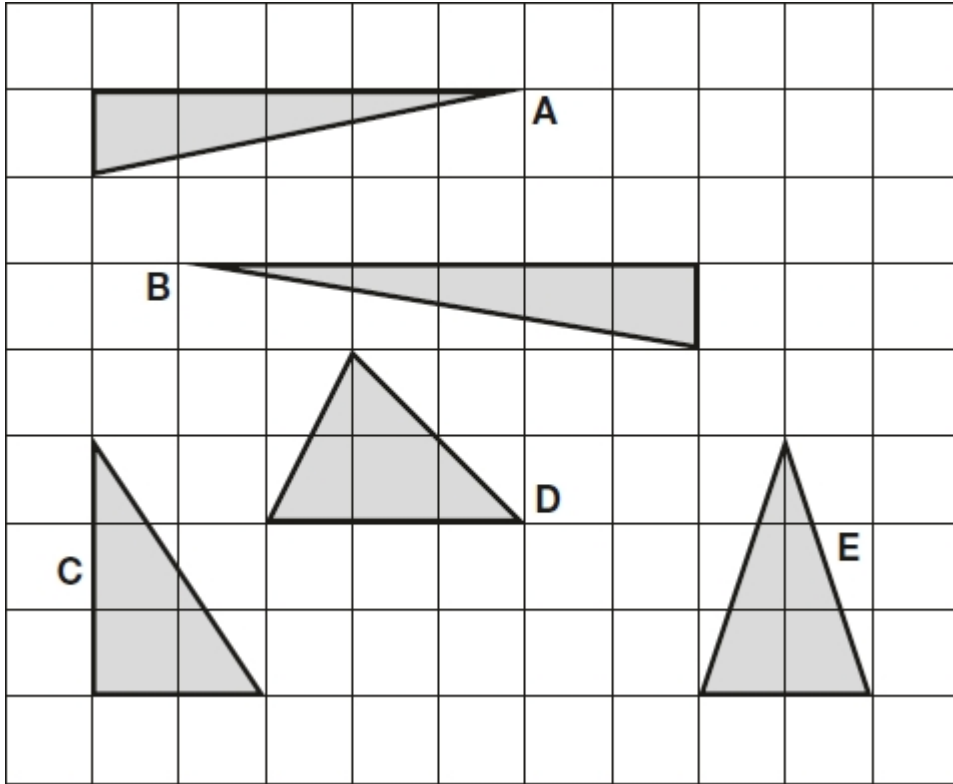|← 15cm →|

Not actual size

Calculate the perimeter of the shape.

Show your method

[cm]

2 marks

3 Here are five triangles on a square grid.

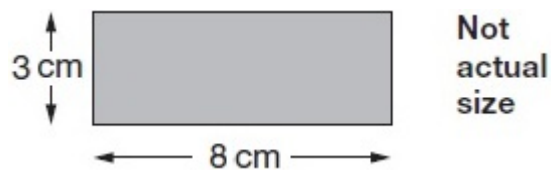Four of the triangles have the same area.

Which triangle has a **different** area?

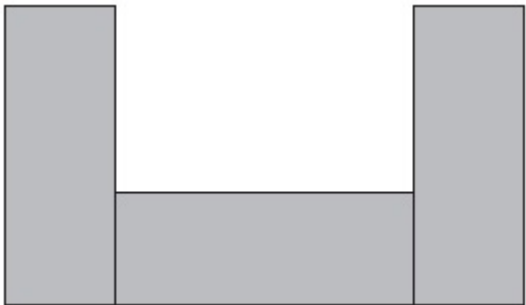_____

1 mark

4 Alfie has some rectangles.

3 cm

8 cm

Not actual size

He makes this shape using three of the rectangles.

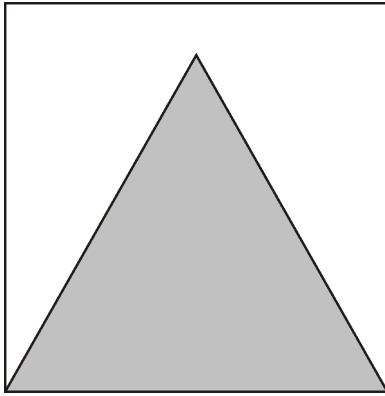What is the **perimeter** of Alfie's shape?

Show
your
method

cm

2 marks

5 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 method

cm

2 marks

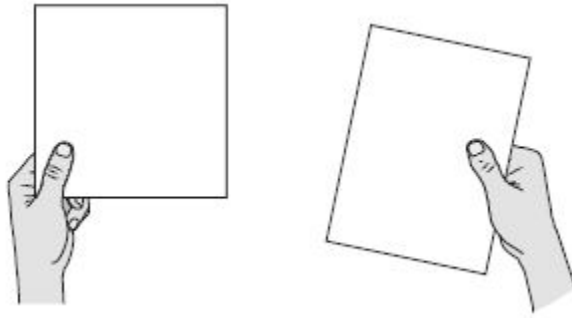**6** The following quadrilaterals all have a **perimeter of 36 cm**.

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

Complete the table.

One quadrilateral is done for you.

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

2 marks

7

A square tile measures 20 cm by 20 cm.

A rectangular tile is 3 cm **longer** and 2 cm **narrower** than the square tile.

What is the **difference in area** between the two tiles?
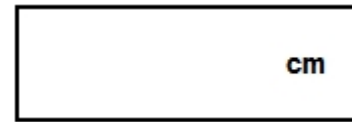
Show your method

cm²

3 marks

8

The area of a rectangle is 16 cm².

One of the sides is 2 cm long
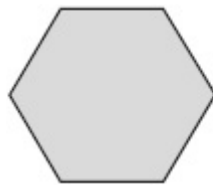
What is the perimeter of the rectangle?

cm

1 mark

9

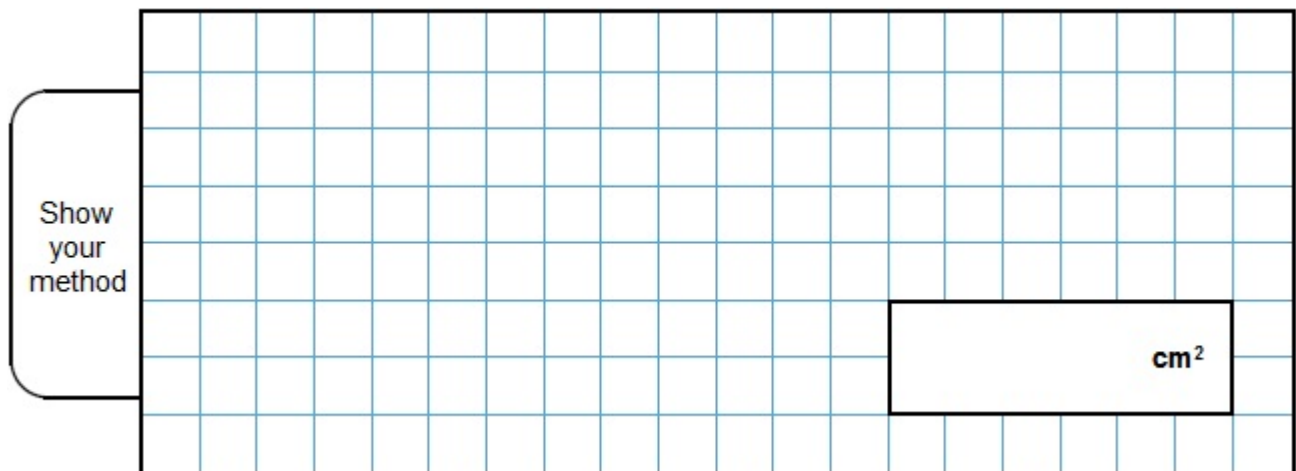These two shapes have the **same** perimeter.

regular hexagon   square

Not actual size

The length of each side of the **hexagon** is **8** centimetres.

Calculate the **area** of the **square**.
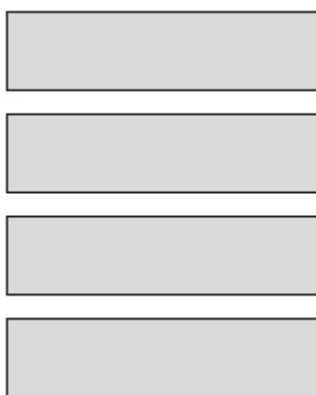
Show your method

cm²

2 marks

10

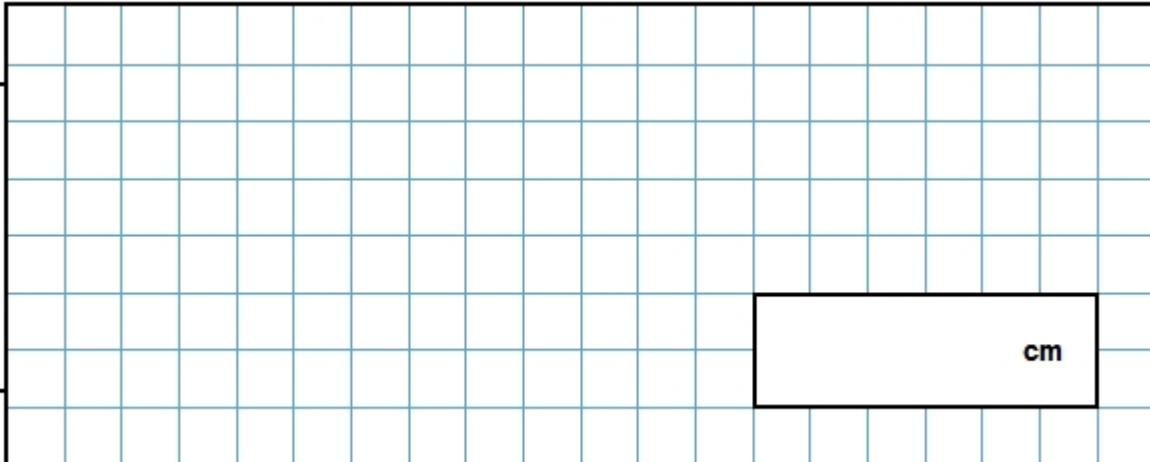The **area** of this square is 36 cm².

Not actual size

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

What is the **perimeter** of **one** of the small rectangles?

Show your method

cm

2 marks

11

The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?
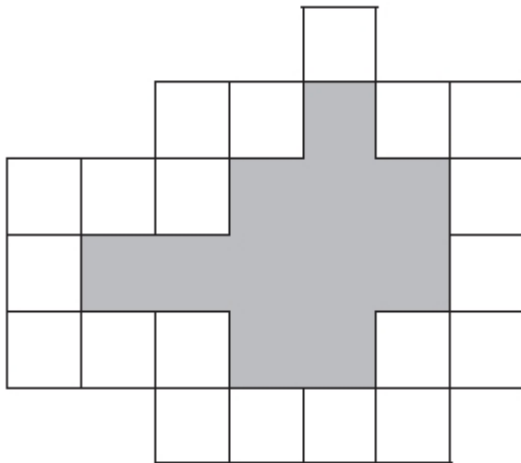
Show your method

| | square metres |

3 marks

12 Here is a set of 20 squares around a shaded space.
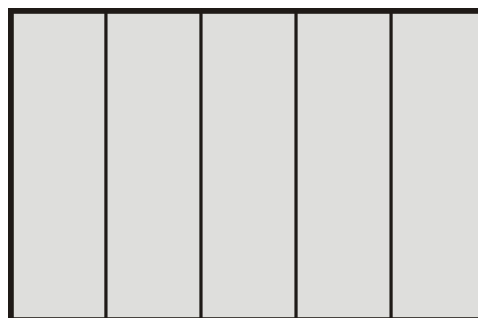
What is the area of the shaded space?

squares

1 mark

13 Lara has some identical rectangles.

They are 7 centimetres long and 2 centimetres wide.

7cm

2cm

Not
actual size

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

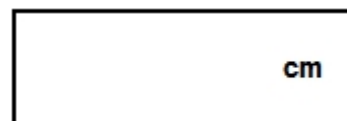What is the **perimeter** of the large rectangle?

cm

1 mark

What is the **area** of the large rectangle?

cm

1 mark