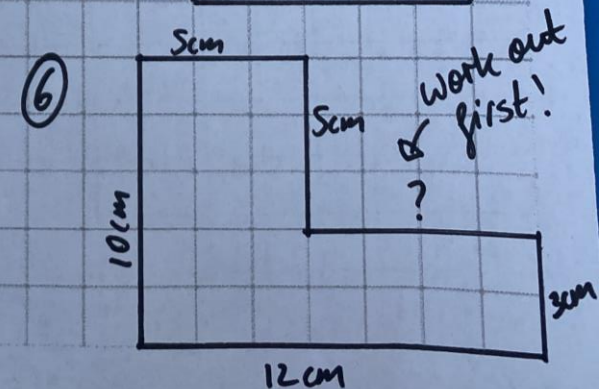
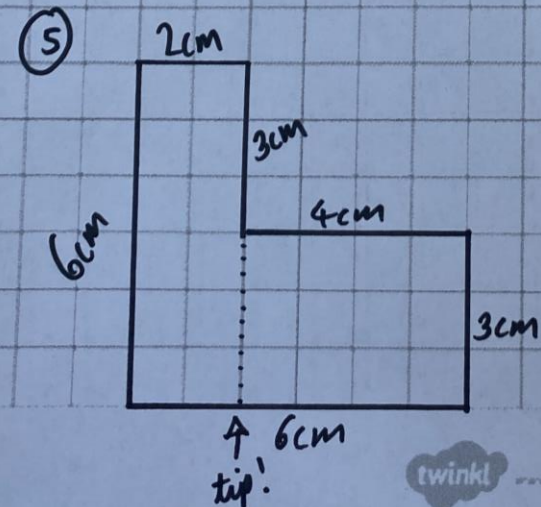
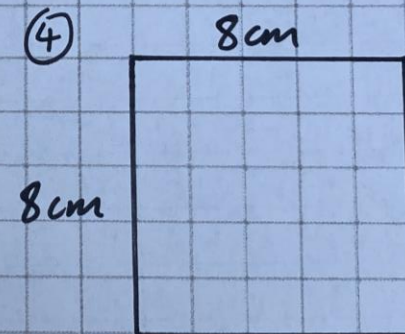
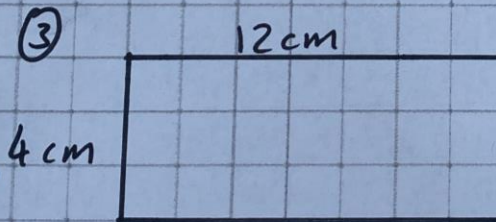
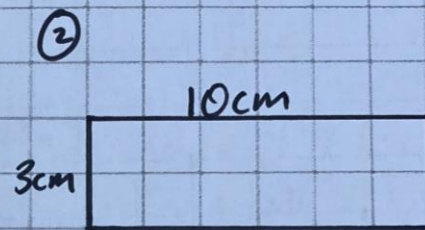
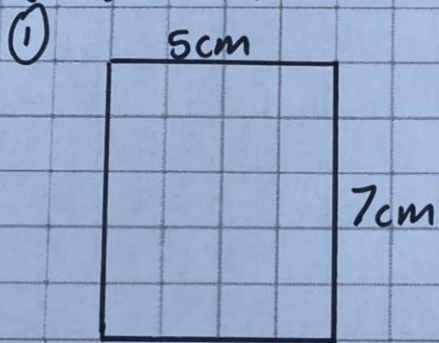


Find the area and perimeter of the following shapes.

Remember :

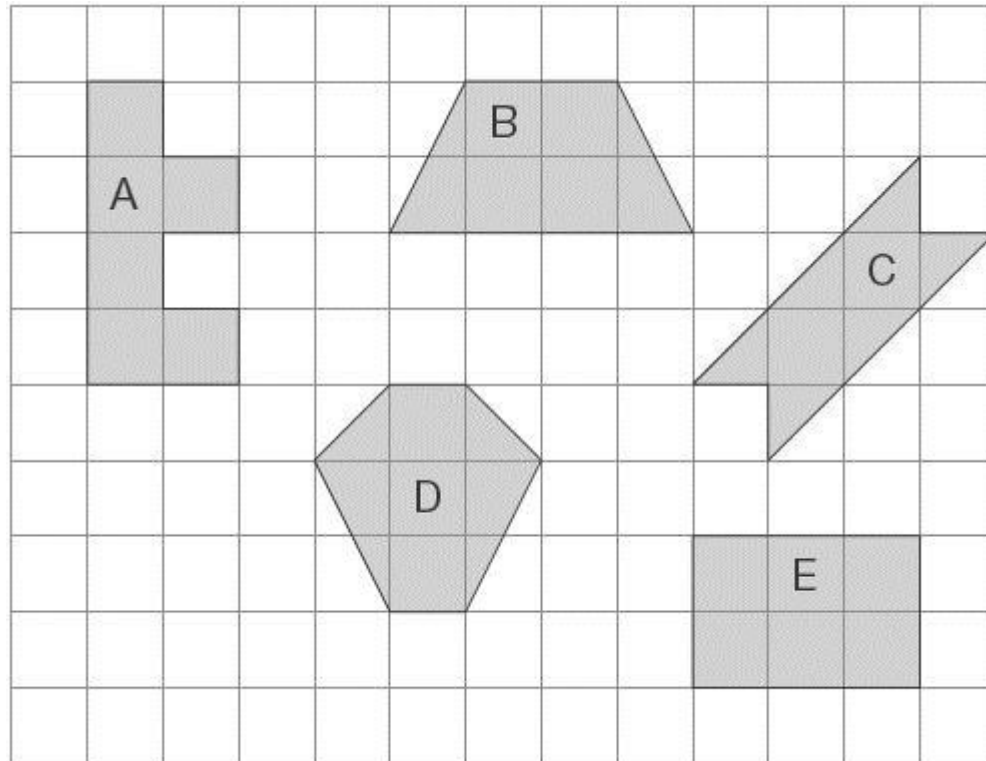
area of a rectangle = length  $\times$  width

perimeter of a rectangle =  $2 \times \text{length} + 2 \times \text{width}$   
(not to scale!)



**Q1.**

Here are some shapes on a 1cm square grid.



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

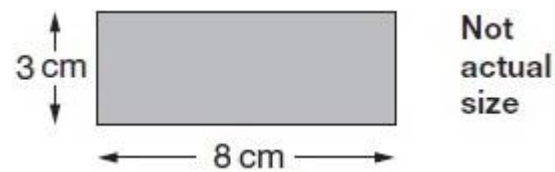
--

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

--

Q2.

Alfie has some rectangles.



He makes this shape using three of the rectangles.

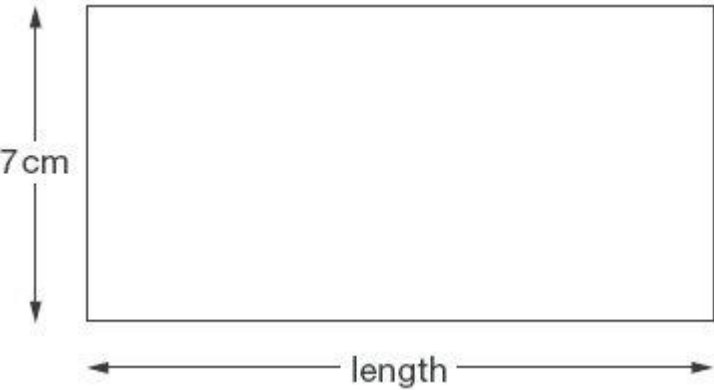


What is the **perimeter** of Alfie's shape?

Show your method

cm

Q3.



Not actual size

The perimeter of this rectangle is 50 centimetres.

Calculate the length of the rectangle.

Show  
your  
method

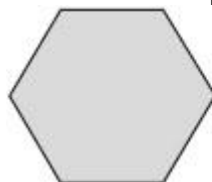
A large rectangular grid is provided for showing the method. On the left side of the grid, there is a rounded rectangular box containing the text "Show your method". In the bottom right corner of the grid, there is a smaller rectangle with the label "cm" inside it.

**Q4.**

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

cm<sup>2</sup>

**Q5.**

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

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

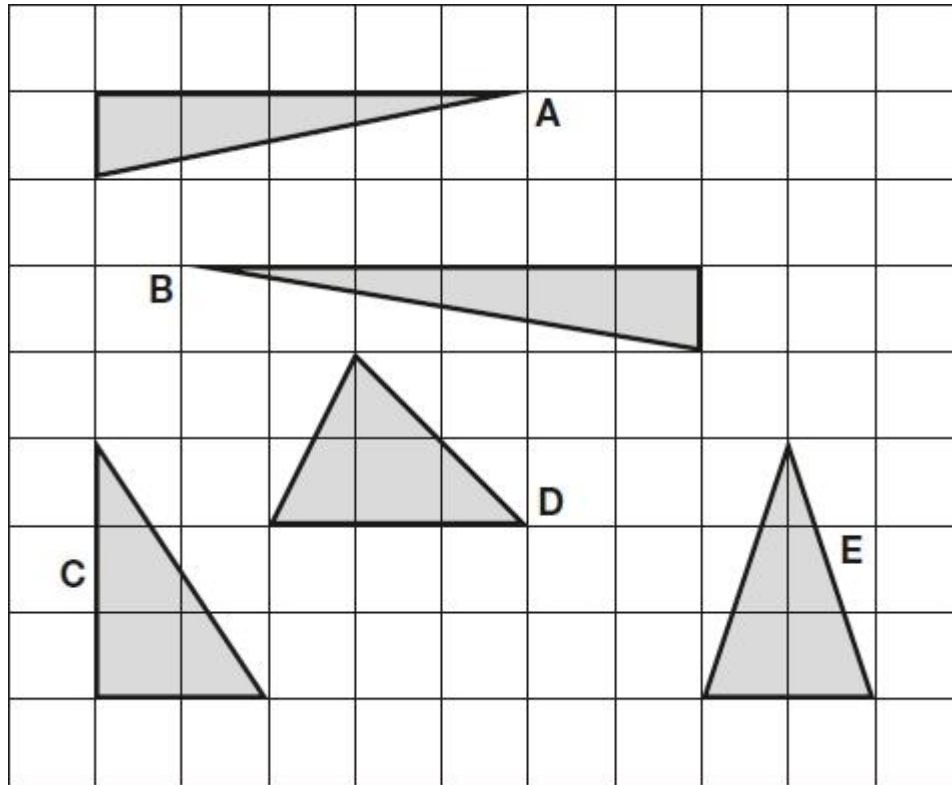
How much larger is the area of the football pitch than the area of the rugby pitch?

Show  
your  
method

square metres

**Q6.**

Here are five triangles on a square grid.



Four of the triangles have the same area.

Which triangle has a **different** area?

\_\_\_\_\_