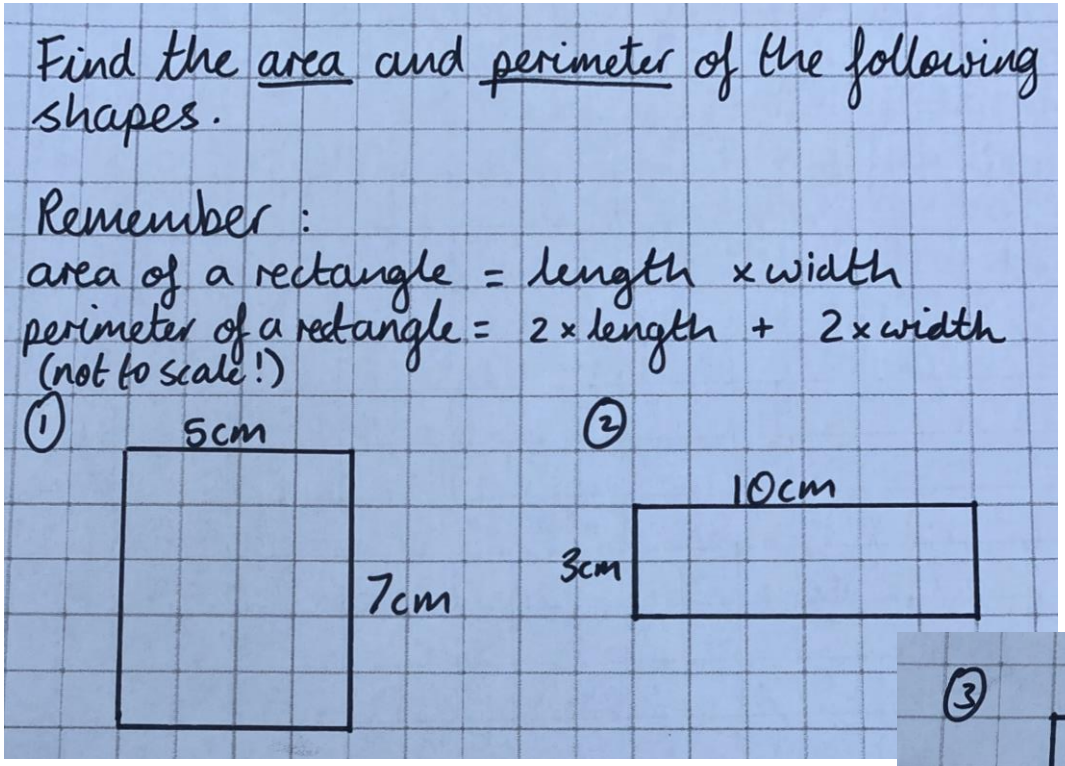
Find the area and perimeter of the following shapes.

Remember:

area of a rectangle = length × width

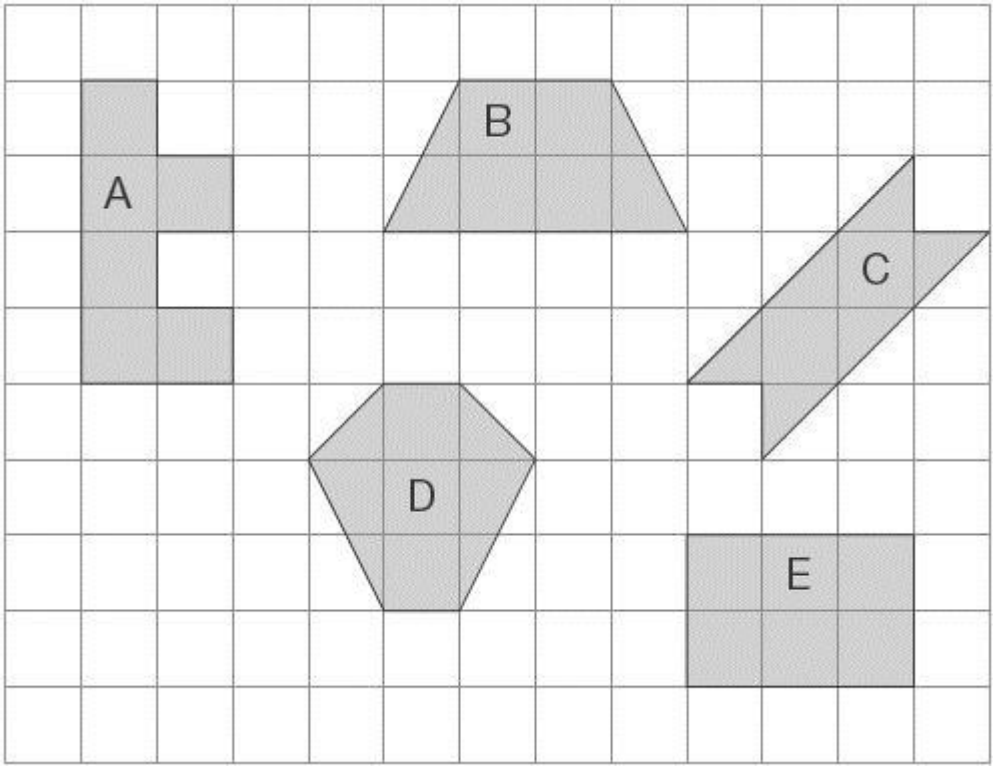
perimeter of a rectangle = 2 × length + 2 × width

(not to scale!)



Q1.

Here are some shapes on a 1cm square grid.



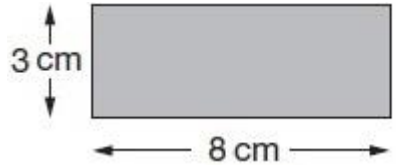
What is the **perimeter** of shape A?

cm

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

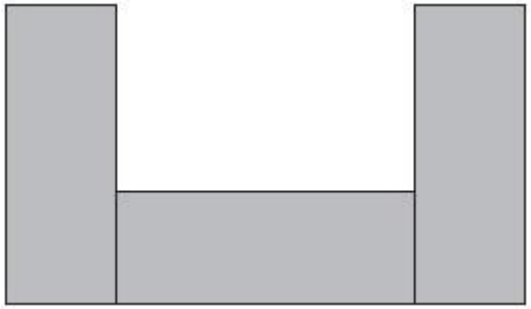
Q2.

Alfie has some rectangles.

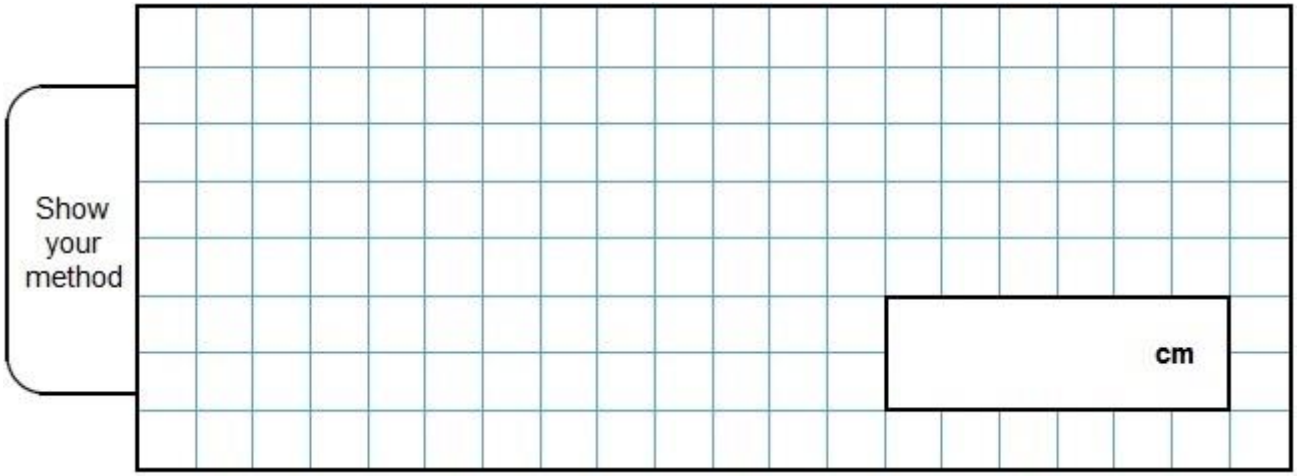


Not actual size

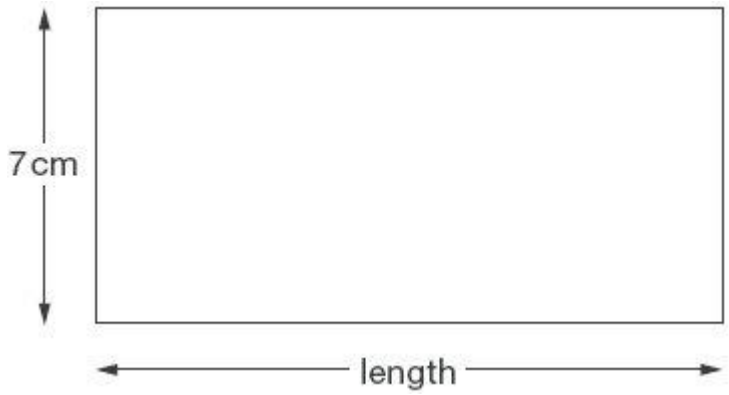
He makes this shape using three of the rectangles.



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



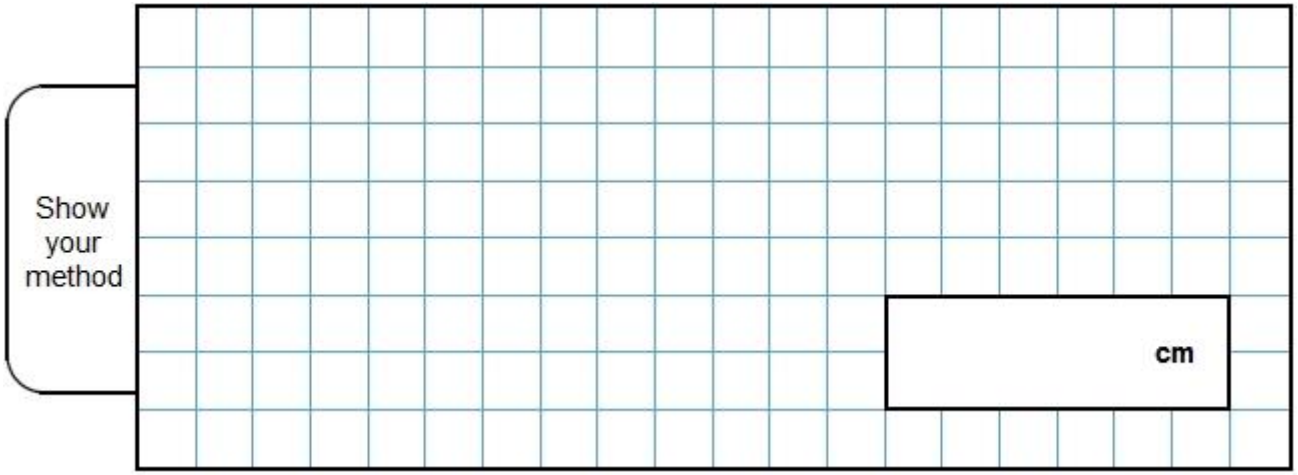
Q3.



Not actual size

The perimeter of this rectangle is 50 centimetres.

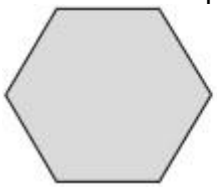
Calculate the length of the rectangle.



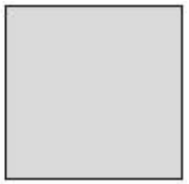
Q4.

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

regular hexagon



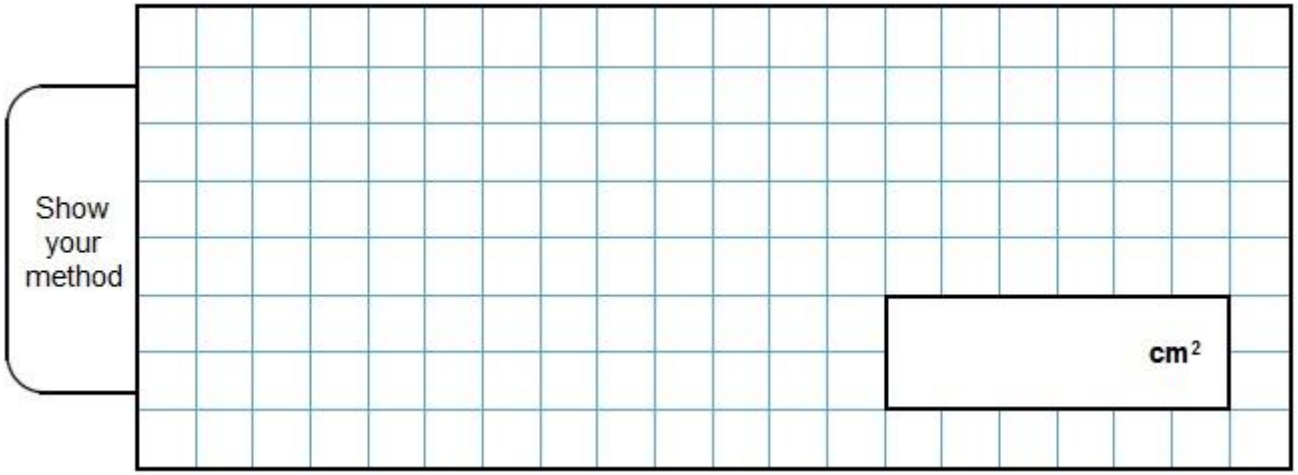
square



Not actual size

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

Calculate the **area** of the **square**.

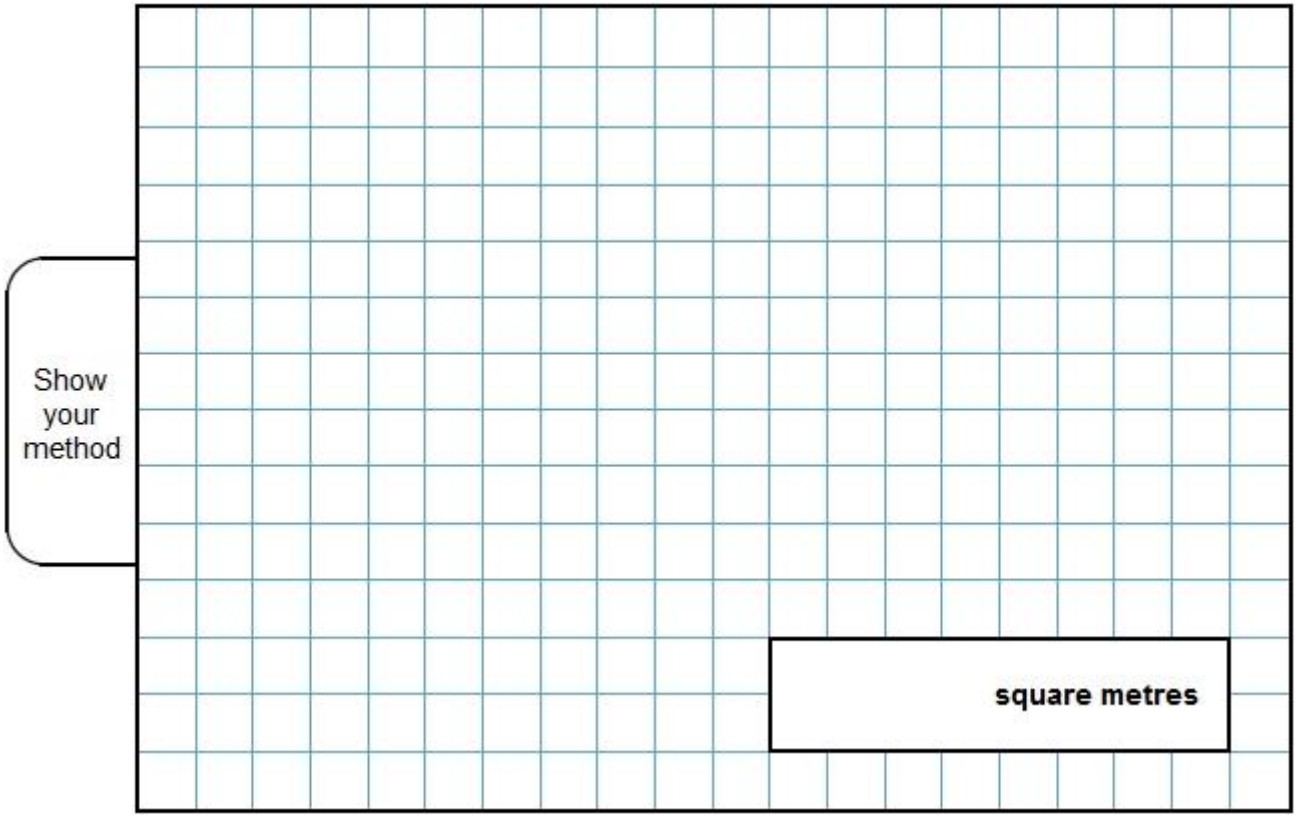


Q5.

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

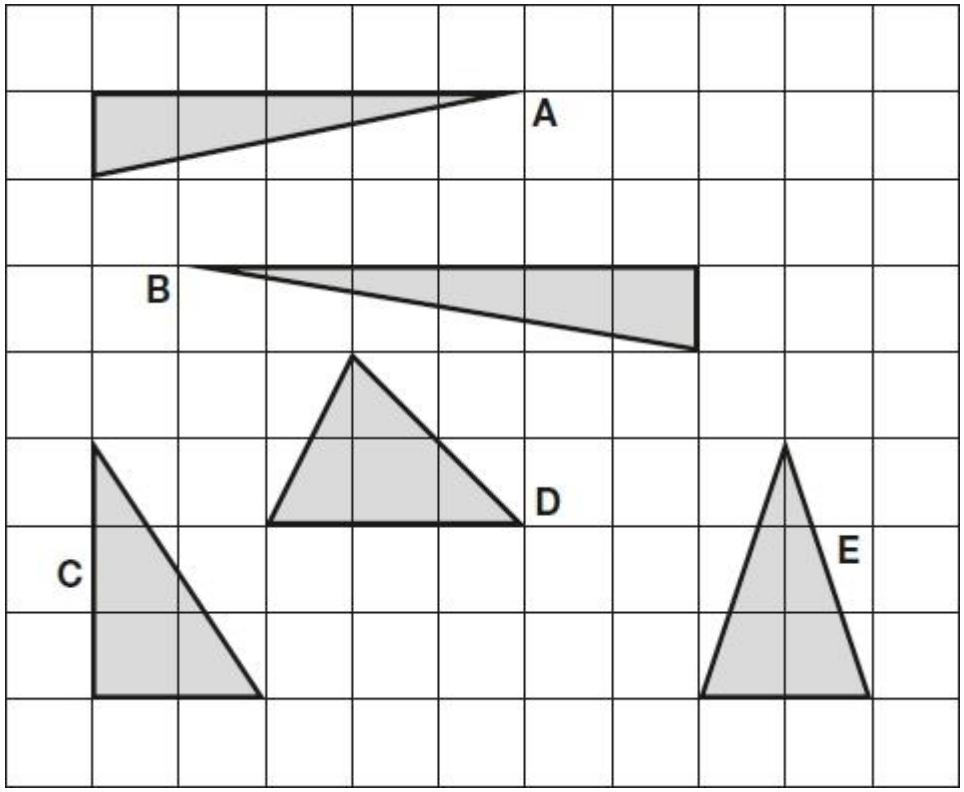
A football pitch measures 112 metres long and 82 metres wide.

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



Q6.

Here are five triangles on a square grid.



Four of the triangles have the same area.

Which triangle has a **different** area?

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