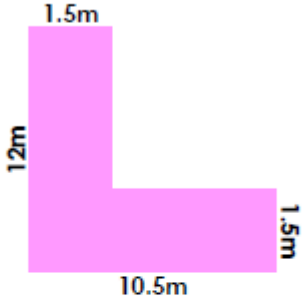


**Tuesday (hard) – LO: to find the area and perimeter of compound shapes.**

**Varied fluency**

**Reasoning and problem solving**

**9a. True or false? The area of this shape is  $18m^2$ .**



1.5m  
12m  
10.5m  
1.5m

★ *Not to scale* VF

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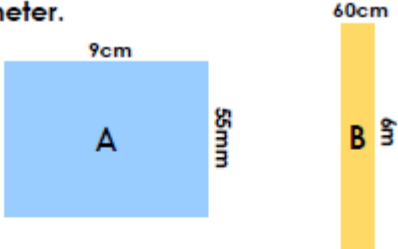
**10a. Solve the word problem.**

A garden measures 18m by 350cm. What is the area and perimeter of the garden?

★ VF

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**11a. Calculate the area and the perimeter.**



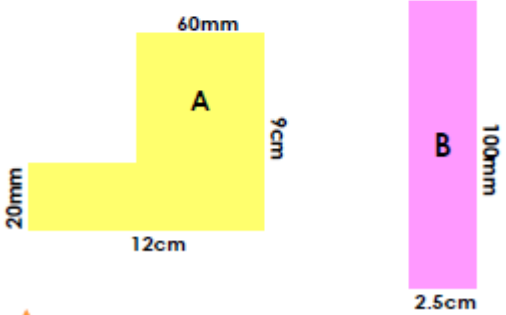
9cm  
5mm  
60cm  
6m

A  
B

★ *Not to scale* VF

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**12a. Which shape has an area and a perimeter that equal the same number?**




20mm  
12cm  
60mm  
9cm  
100mm  
2.5cm

A  
B

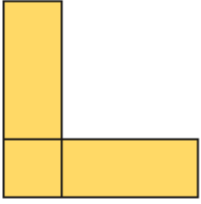
★ *Not to scale* VF

**7b. Joanna draws two equal rectangles.**



3.5cm  
14cm  
3.5cm  
14cm

She puts them together to make a new shape.

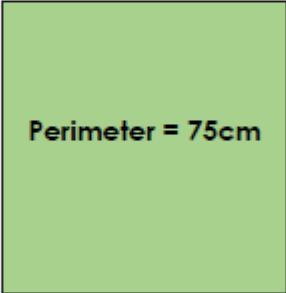


What is the area and perimeter of the new shape?

★ *Not to scale* PS

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**8b. A shape has a perimeter of 75cm. What is the largest area the shape could have? What is the smallest area the shape could have?**



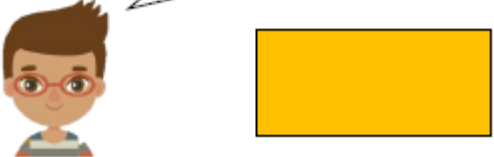
Perimeter = 75cm

★ *Not to scale* PS

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**9b. Kevin says,**

If a rectangle has a perimeter that is a decimal, then its area will always be a decimal.



Do you agree? Prove it.

★ R