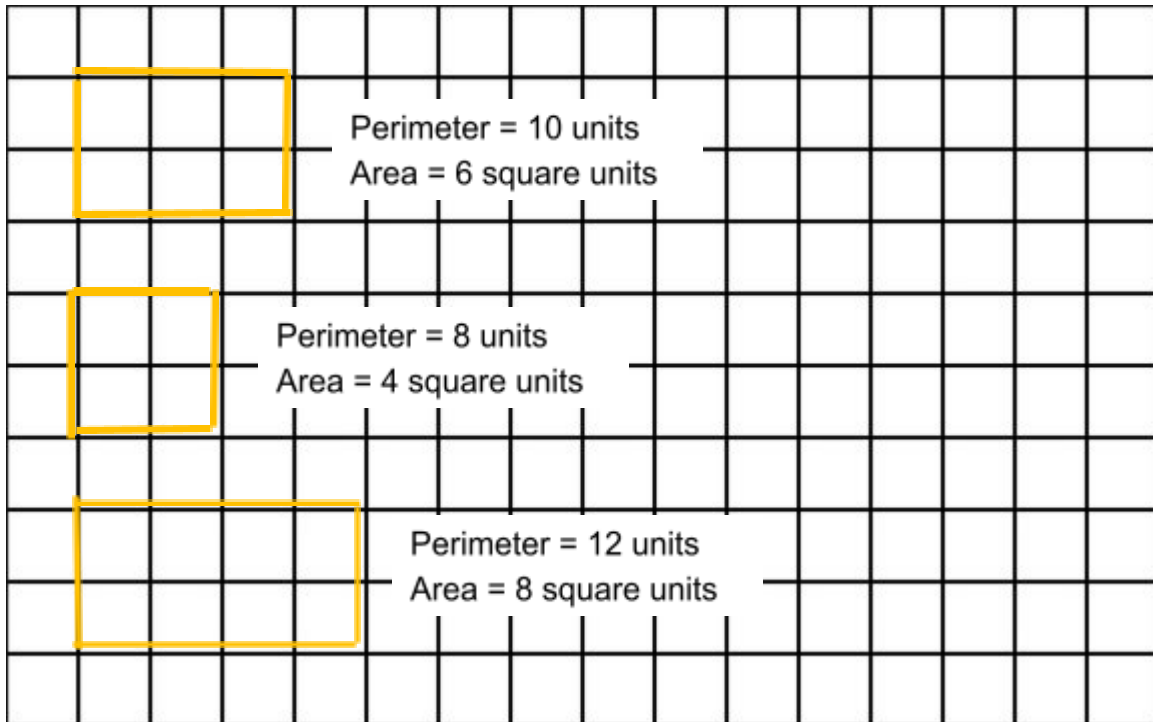




Thinking about Area and Perimeter

Max has been drawing rectangles in his maths copy. This is what he has done so far.



Looking at these rectangles, Max starts to think.

'I can see that the area is always a smaller number than the perimeter number in these rectangles' he thinks 'And I notice that as the area value increases then the perimeter number increases as well. I bet this is true for every rectangle.'

Is Max correct?

Can you investigate with lots of rectangles and see if you can say if Max's idea is:

Always
Sometimes or
Never true?

Can you convince somebody who is not sure?

Have you found any rectangles where the area is the same, but perimeters are different?

How about any rectangles where perimeters are the same, but areas are different?