

Green Challenge

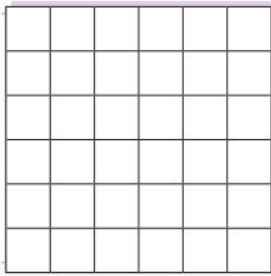
Shade the shape so that the following rules apply:

The area of red is greater than the area of blue.

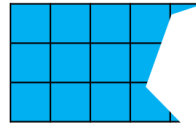
The area of blue is 5 more squares greater than the yellow area.

The area of yellow is greater than 5 but less than 10.

The remaining squares are white.



This rectangle has been ripped.



What is the smallest possible area of the original rectangle?

What is the largest possible area if the length of the rectangle is less than 10 squares?

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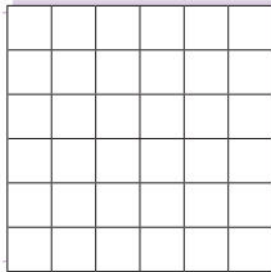
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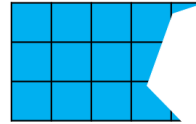
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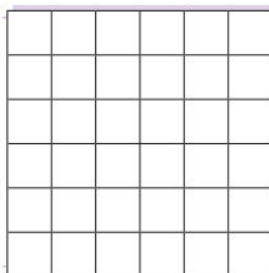
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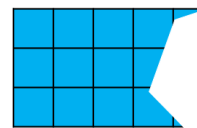
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