

# Chilli Challenges - 11/2/21

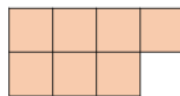
Answer at least one challenge question.

Self-assess your learning with the answers. No Peeking!

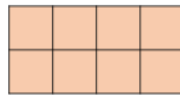
## Mild Green Chilli



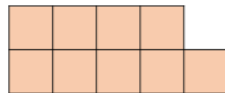
I cannot make a rectangle from an odd number of squares.



7 squares



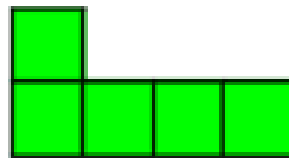
8 squares



9 squares

## Hot Yellow Chilli

Here is a rectilinear shape.

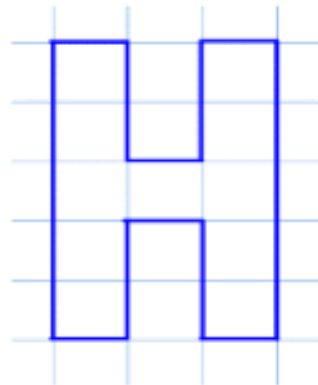


Using 7 more squares, can you make a rectangle?

Can you find more than one way?

# Spicy Red Chilli

Can you make some capital letters on squared paper using less than 20 squares?



Make a word from some and count the total area of the letters.

Which letters have a line of symmetry?

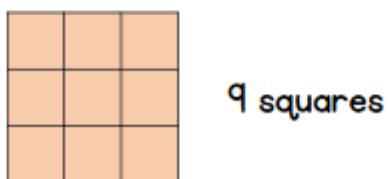
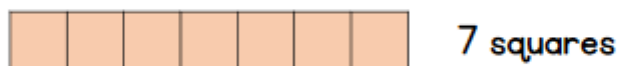
What is the area of half of each letter?

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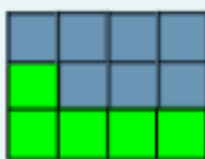
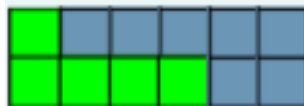
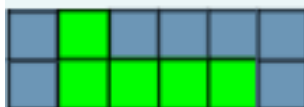
## Answers

**False**

By rearranging the squares, I can make a rectangle from any number of squares.



Possible answers include:



Most letters can be made. They could be drawn on large squared paper or made with square tiles.