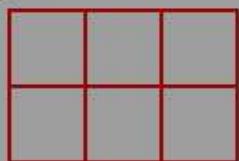
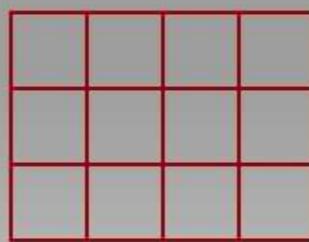


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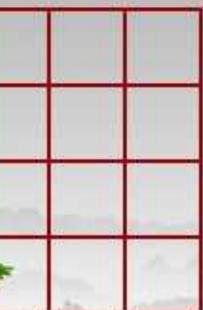
Squares in rectangles



A 2 by 3 rectangle contains 8 squares.



A 3 by 4 rectangle contains 20 squares.



A 4 by 6 rectangle contains 50 squares.

What size rectangle contains exactly 100 squares?

Is there more than one?
Can you find them all?
Can you prove that there are no more?

For more information about this, and many other problems, why not go the the NRICH website

www.nrich.maths.org