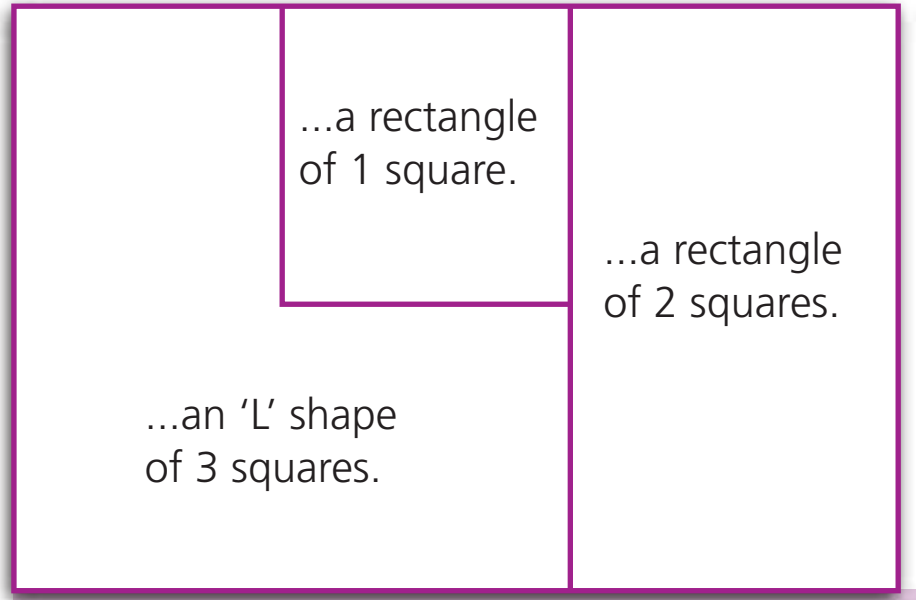
The artist **Peter Lowe** got interested in **mathematical spirals.**

It began with a square and by adding a double square and an 'L' shape... I formed a rectangle.

At this point I began to wonder if it were possible to continue the process until I arrived at another complete rectangle or square...



Add rectangles or 'L' shapes of 4, 5, 6 … squares to solve Peter's problem.

What is the size of this **next possible** square? **Why?**

And the one after that... ?

Peter Lowe "Statement by the artist", *Philosophy of Mathematics Education* Journal No. 24 (December 2009),

downloadable from **http://people.exeter.ac.uk/PErnest/pome24/index.htm**

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