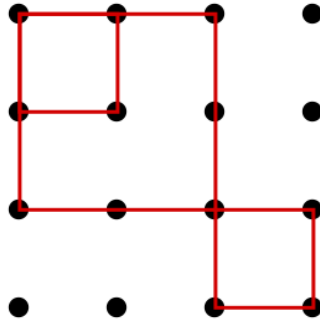


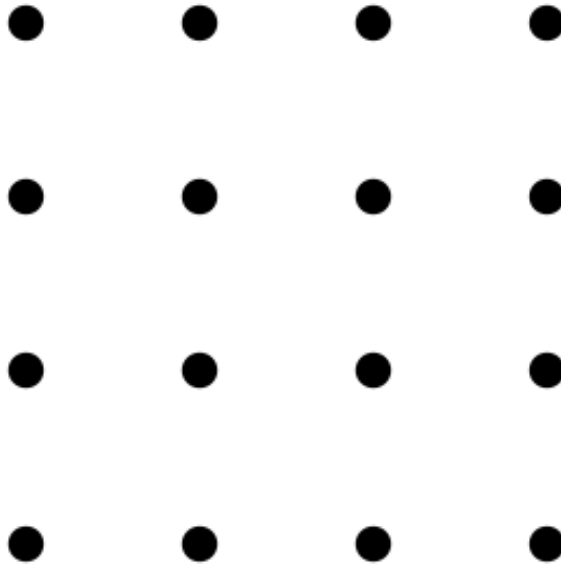
Puzzle of the Week

Finding Squares – 1

Drawn in red in this grid are two 1 by 1 squares and one 2 by 2 square with horizontal and vertical sides.



THE CHALLENGE: Find the number of squares of all sizes with horizontal and vertical sides in this grid.



EXPLORATION: Play with even bigger grids. Can you discover a systematic way to count all the squares? How does your answer change, if at all, if the grid of points is a rectangle that is not a square?