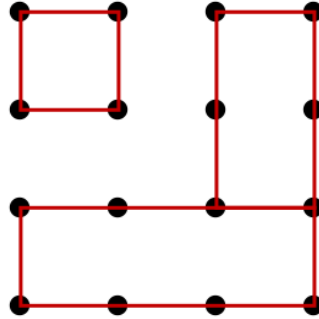


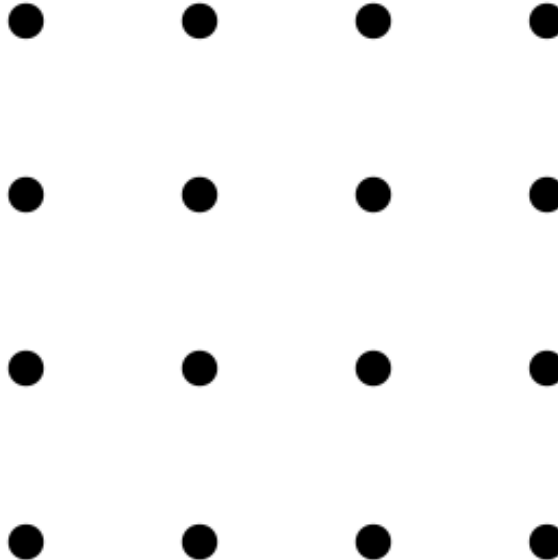
Puzzle of the Week

Finding Rectangles in Squares

Drawn in red in this grid are a 1 by 1 rectangle (square), a 2 by 1 rectangle and a 1 by 3 rectangle.



THE CHALLENGE: Count the number of all the rectangles you can make in this 4 by 4 grid.



EXPLORATION: Calculate the number of rectangles in a 2 by 2 grid and a 3 by 3 grid. Compare those answers to your answer for the 4 by 4 grid. What is the pattern you see, and can you explain it?