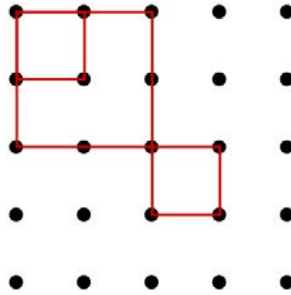


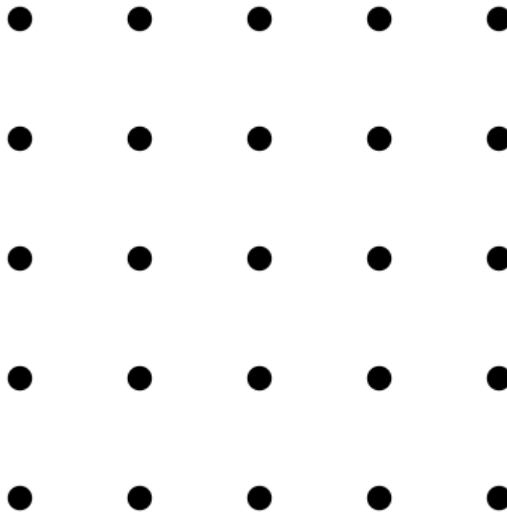
# Puzzle of the Week

## *Finding Squares – 3*

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 all the different sizes of squares you can in this grid. Note that there are some squares that do **not** have horizontal and vertical sides. For each size square you find, what is its area? Once you know its area, what is its side length?



**EXPLORATION:** Can you discover different methods for finding these areas? Can you find a formula for the side length using just the description of one side?