

## Understanding Patterns from Initial Values and Rate of Change

The area of Figure 0 is 2.5 square units.



Figure 0

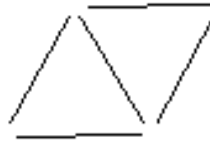


Figure 1

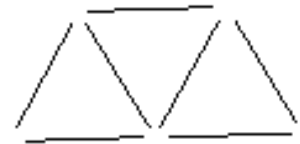
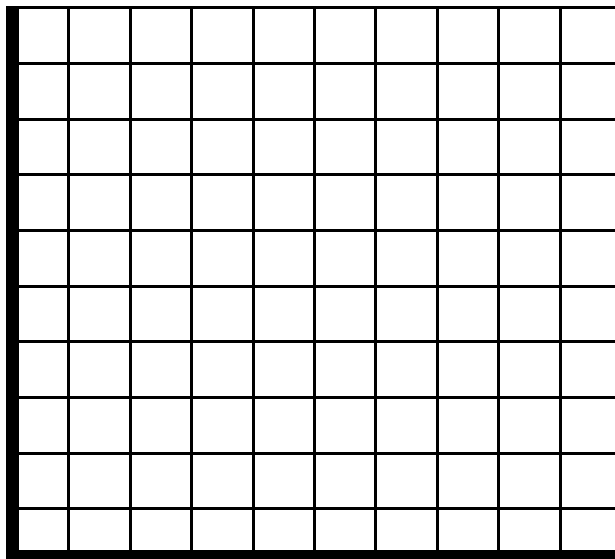


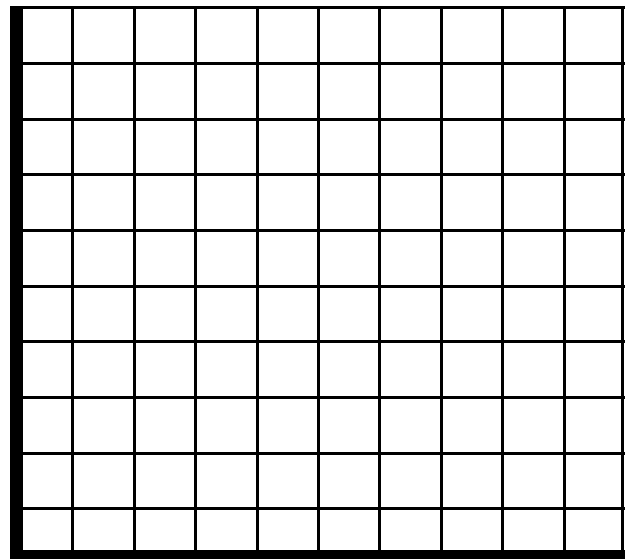
Figure 2

Figure Number	0	1	2			
Number of Toothpicks						
Number of Toothpicks on the Perimeter						
Number of Horizontal Toothpicks						
Number of Slanted Toothpicks						
Area of the Figure						

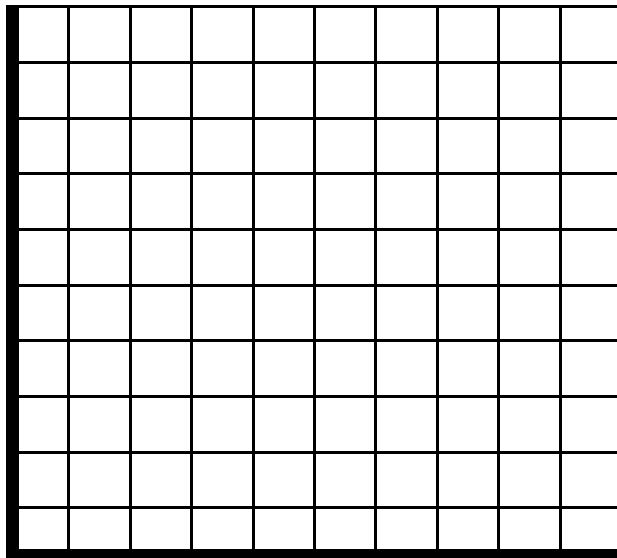
Graph the Figure Number vs. the Number of Toothpicks



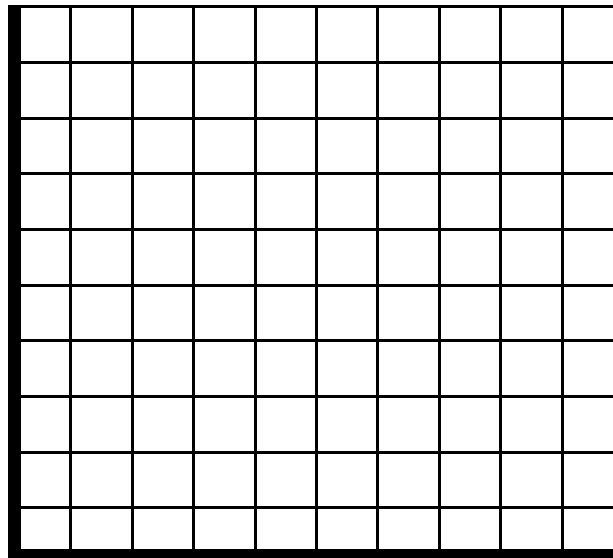
Graph the Figure Number vs. the Perimeter



Graph the Figure Number vs. the Number of Horizontal Toothpicks



Graph the Figure Number vs. the Area



Graph the Figure Number vs. the Number of Slanted Toothpicks

