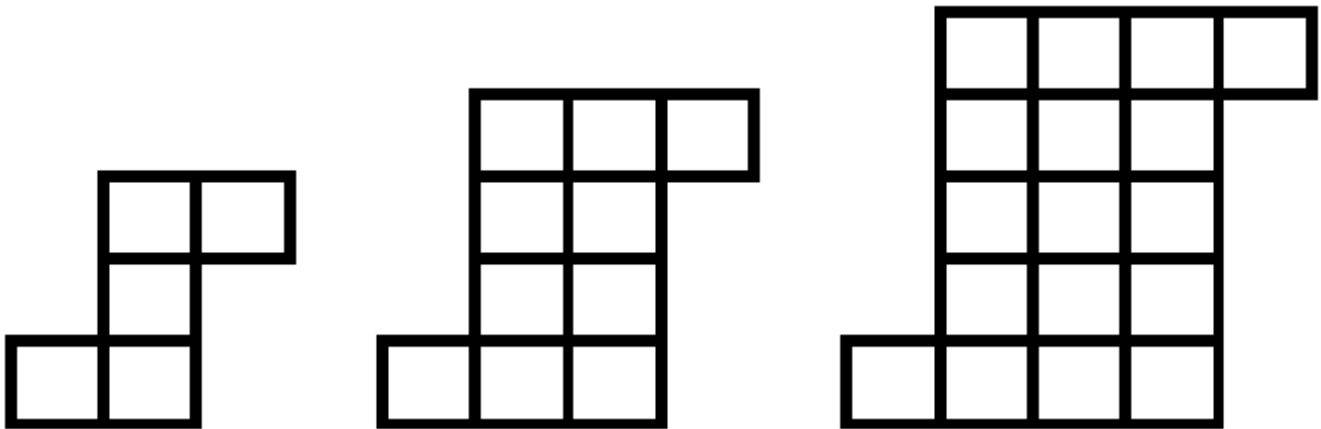


Handout #2

"Describe pattern of squares in 20th figure" from 1996 12th grade NAEP exam.

Available at: <http://nces.ed.gov/nationsreportcard/itmrlsx/search.aspx?subject=mathematics>

The first 3 figures in a pattern of tiles are shown below. The pattern of tiles contains 50 figures



Describe the 20th figure in this pattern, including the total number of tiles it contains and how they are arranged. Then explain the reasoning that you used to determine this information. Write a description that could be used to define any figure in the pattern.