

# Upside Down T



Figure 1

Figure 2

Figure 3

1. Compute the number of tiles in each of the first three figures.
2. Draw the fourth figure and compute the number of tiles in the figure.
3. Determine the number of tiles in the 25th figure without constructing it.
4. Write a rule that could be used to compute the number of tiles in any figure in the pattern and explain why it works.
5. Determine which figure has 109 tiles.