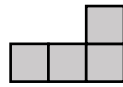




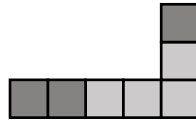
Find the Pattern



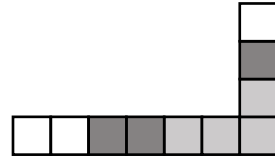
Write complete answers on a separate sheet of paper.



Shape 1



Shape 2



Shape 3

1. Draw the next two shapes. You may want to use square-inch tiles to build the shape or draw them on grid paper.
2. Complete the data table.

Shape Number (<i>N</i>)	Size in Squares (<i>S</i>)
1	4
2	
3	
4	
5	

3. Describe patterns. Look down the columns and across the rows.
4. Show or tell how you can find the next value for the size in squares (*S*) without drawing the shape and counting squares.
5. How many squares (*S*) does each of the following shapes have? Show or tell how you know.
 - A. Shape 10
 - B. Shape 20
 - C. Shape 25
6. Use words or symbols to describe a rule for finding the size in squares (*S*) for any shape number (*N*).
7. Use your rule to find the size of Shape 25. Did you get the same answer you got in Question 5C? Why or why not?
8. What shape number has 301 squares? Show or tell how you know.