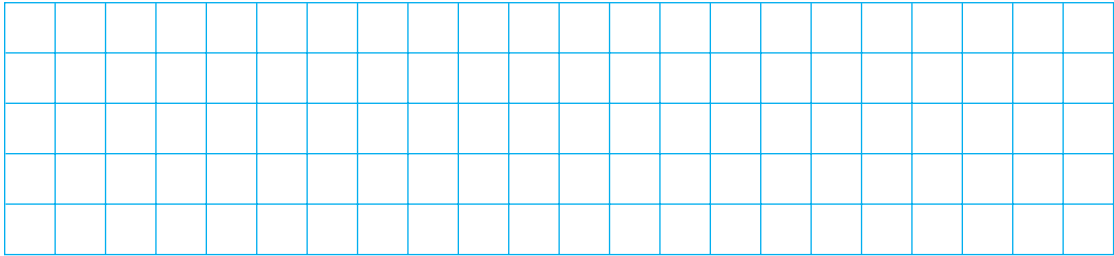
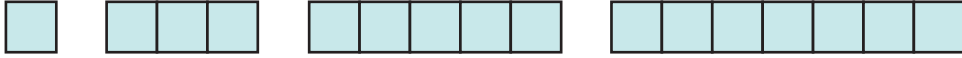


Patterns in Geometry

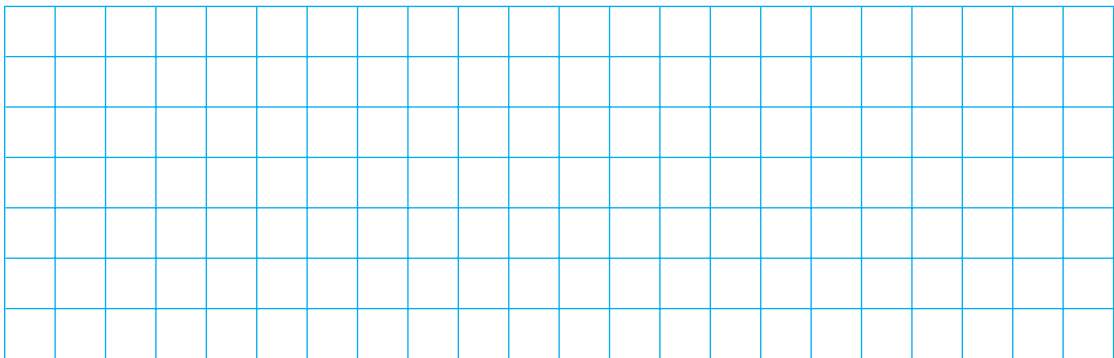
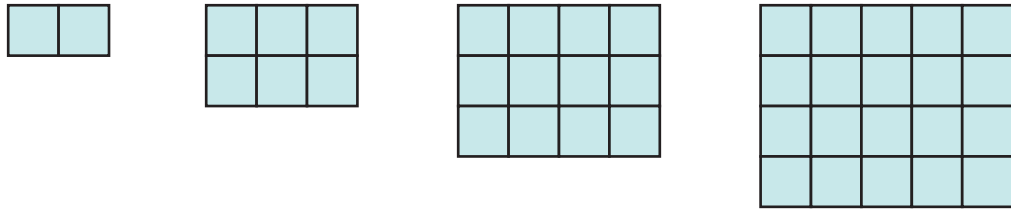
NCTM Standards 2, 3, 6, 7, 8, 9, 10

Draw the next figure following the pattern.
Use the grid below.

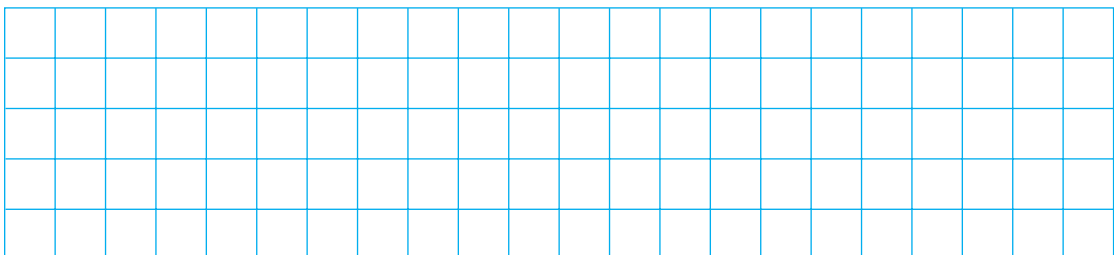
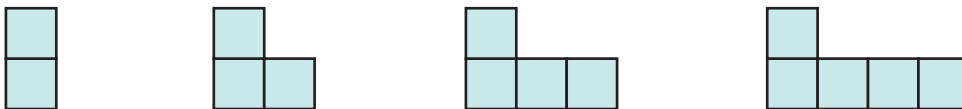
1



2

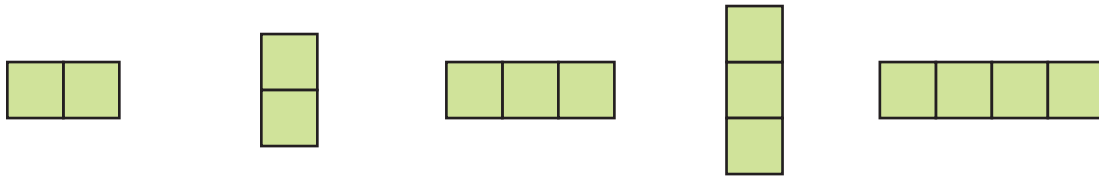


3



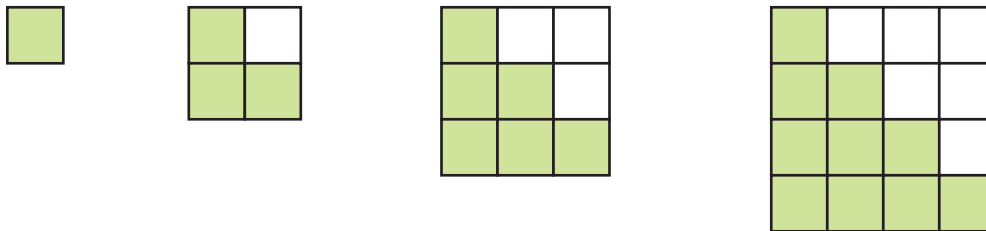
Complete the table to describe the next three figures following the pattern.

4



Total tiles	2	2	3	3	4			
Rows	1	2	1			4		
Columns	2	1	3					

5



Total tiles	1	4	9	16			
Green tiles	1	3	6		15		
White tiles	0	1	3	6			

6 Challenge Lune was watching a kind of cell that splits into 2 new cells every hour. She started watching one cell under a microscope. After 4 hours, how many cells were there? _____ cells

Complete the tables to show how the number of cells increases each hour.

Hours passed	0	1	2	3			
Cells	1	2	4				