




Triangular Numbers

First, draw the remaining diagrams, adding an extra line to the bottom of the triangle each time, then count the number of dots in each of them. Once you've done this, work out how much the number increases by each time; what pattern do you notice?

	Diagram	Number of dots	Increase
1		1	
2		3	2
3		6	3
4			
5			
6			
7			
8			

Hint: The amount it increases by will always be the number of dots in the bottom row of the triangle!