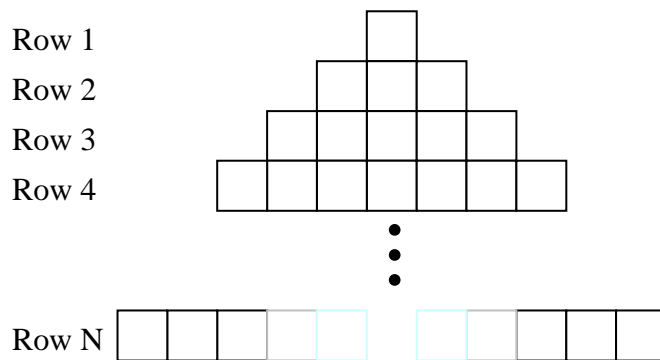


Stepping Up: One by One

The following step-pyramid is built by placing one block on the first top row. The 2nd row has one block placed under the first block and then one block added to either side. The 3rd row has three blocks placed under the 2nd row and then one block added to either side. Each subsequent row is built by a similar extension of one block on either side of the preceding row.



1. How many blocks would be required for the 5th row? The 10th? Any row?
2. How many total blocks would be used to make a step pyramid of this type with 6 rows? With 12 rows? Any number or rows?