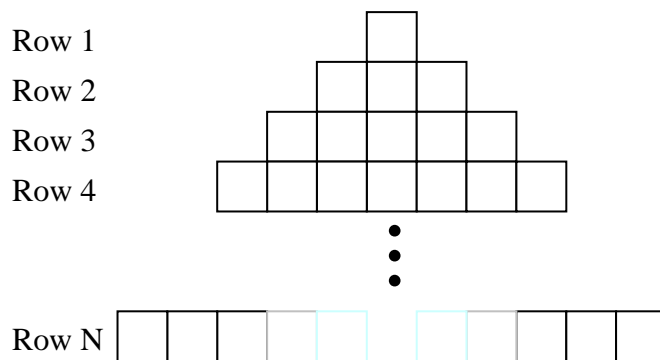


# Stepping Up: One by One

The following step-pyramid is built by placing one block on the first top row. The 2<sup>nd</sup> row has one block placed under the first block and then one block added to either side. The 3<sup>rd</sup> row has three blocks placed under the 2<sup>nd</sup> 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 5<sup>th</sup> row? The 10<sup>th</sup>? 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?