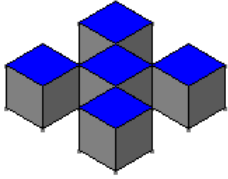
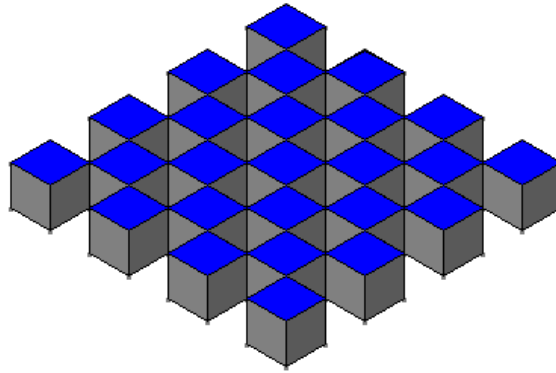


Patterns Task #2



Step 2



Step 4

Develop a formula that can be used to determine the number of cubes it will take to build the n^{th} step.

If you would like to use a virtual manipulative to explore this problem, you may go to <http://illuminations.nctm.org/Activity.aspx?id=4182>

When you have a solution to this problem and can explain why your answer makes sense geometrically, go to Room 233 of Jordan Hall.