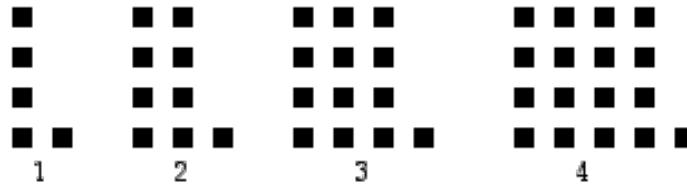
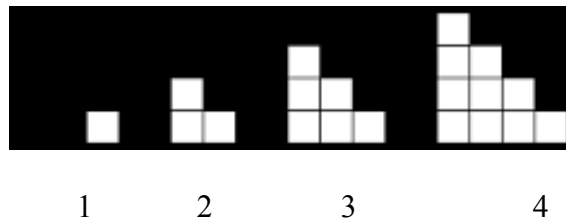


Name _____ Period _____

1. Describe how the pattern changes from one step to the next step.



2. Calculate the number of blocks that will be in the 7th step. Show all of your work used to find a solution.
3. Create an equation to find the number of blocks in an unknown pattern number (use the variable n to notate the n^{th} sequence).



4. Describe how the pattern changes from one step to the next step.
5. Calculate the number of blocks that will be in the 6th step. Show all of your work used to find a solution. Use the back side if needed.
6. Create an equation to find the number of blocks in an unknown pattern number (use the variable n to notate the n^{th} sequence).