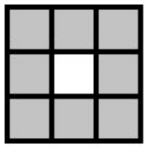
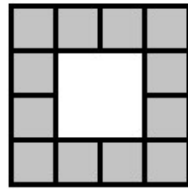


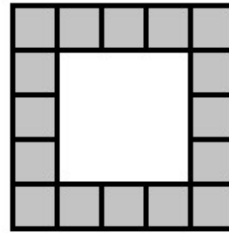
1. Analyze the pattern below and draw a picture of what Step 3 would look like.



Step 0



Step 1

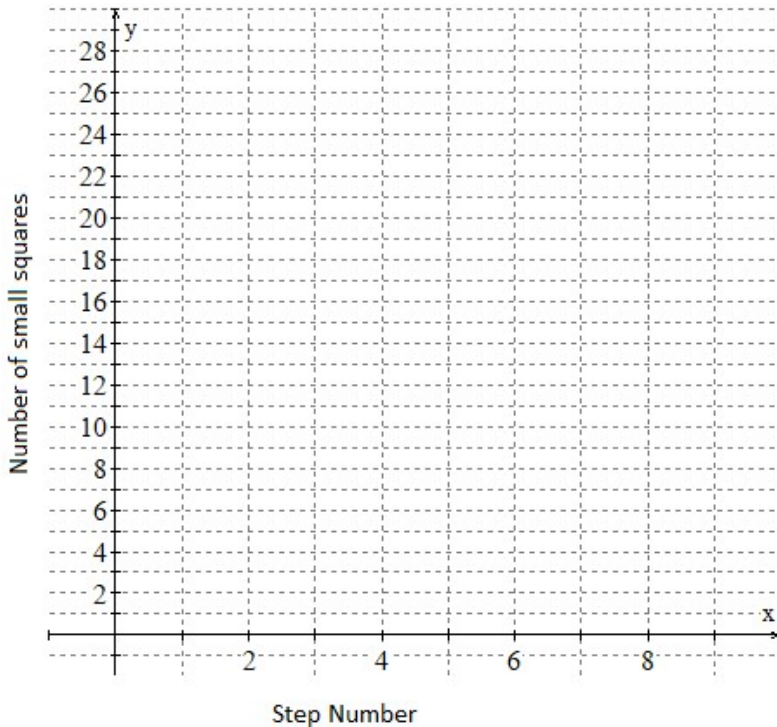


Step 2

Step 3

2. Create a table with Steps 0 – 4 that relates step number (x) to the number of little squares in the figure (y).

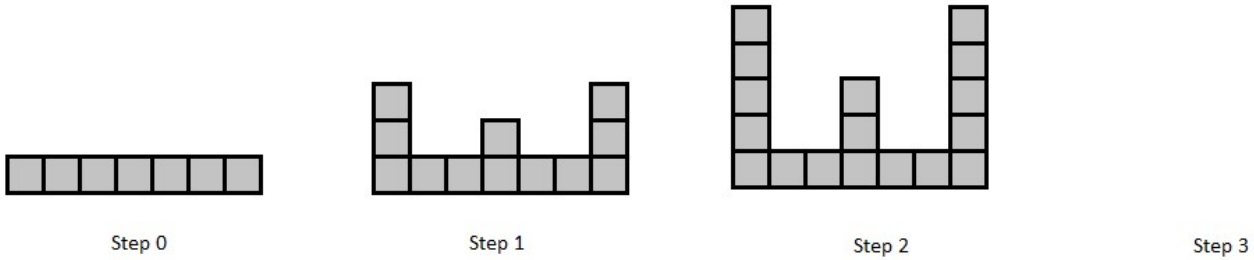
3. Graph the equation you created.



4. Create a linear equation that relates step number (x) to the number of little squares in the figure (y).

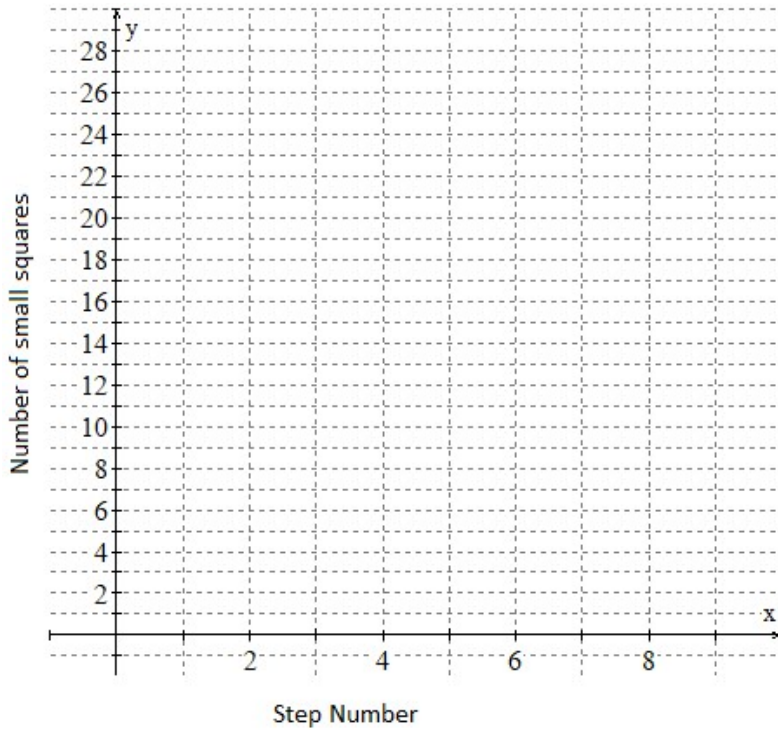
5. Using your equation, determine how many squares would be in step 35.

6. Analyze the pattern below and draw a picture of what Step 3 would look like.



7. Create a table with Steps 0 – 4 that relates step number ( $x$ ) to the number of little squares in the figure ( $y$ ).

8. Graph the equation you created.



9. Create a linear equation that relates step number ( $x$ ) to the number of little squares in the figure ( $y$ ).

10. Using your equation, determine how many squares would be in step 97.