Rule of 4 Link Sheet
Communicating what we know about: <u>Patterns</u>
Use pattern tiles as needed to help you complete the Link Sheet.

Models *	Table of Values

Models *

1st Step   2nd Step   3rd Step

Sketch Steps 4 and 5 below:
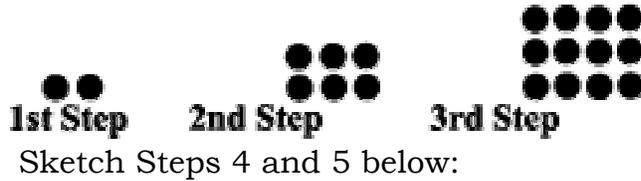
* Pattern adapted from NJ   HSPA Gr. 11: Patterns, Functions, &
Algebra   Recognize, create, and extend a variety of
patterns and use inductive reasoning to understand and represent
mathematical and other real-world phenomena.

Table of Values

Step	Number of Dots
1	
2	
3	
4	
5	
: :	
12	
n	

Graph	Communication

Graph
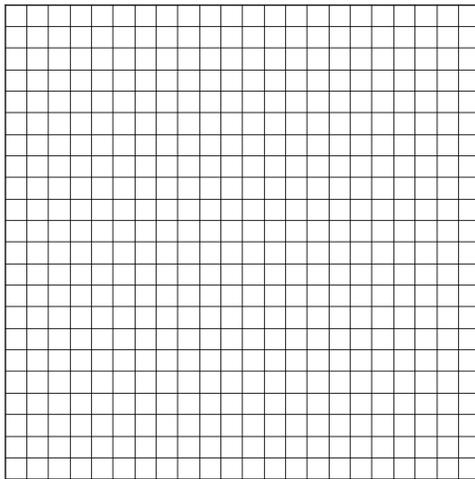
Communication

1. Explain how you could find the number of dots in step 20 without actually drawing them.

2. What would be the number of dots in the 20th Step?

3. Write an algebraic expression for the number of dots in the nth step.