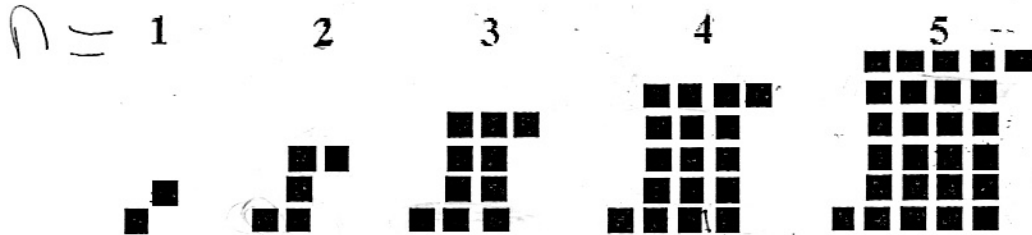


Sneaky Snake

$$n = (n-1)(n+1) + 2$$

Task:



$$2n + (n-1)^2$$

- Sketch the next two figures in the Sneaky Snake pattern
- Describe a method for finding the total number of tiles in the 20th figure
- Write a generalized rule to find the total number of tiles in any figure of the pattern

Final Product:

Each group member needs to keep track of your groups' thinking for finding the number of tiles in the pattern. Be prepared to explain your group's thinking to the class. A complete explanation will include *clear connections between the strategies you used and the diagram of the snake*. One group member will be randomly selected to present for your group.