

## Graphing Linear Growing Patterns

### Success Criteria

- I can extend a linear growing pattern
- I can create and label a Table of Values
- I can use an input number or an output number to create a rule
- I can use the position number to create a rule
- I can predict and verify the number of tiles for any position number
- I can write a rule using the format:  
Number of tiles = position number x \_\_\_\_\_ + \_\_\_\_\_
- I can write the rule using an algebraic format:  
 $y = 2x + 4$
- I can identify the multiplier and constant in a pattern rule
- I can identify the initial value when a pattern is graphed
- I can graph my linear growing pattern
- I can label my graph, create an appropriate scale and interval
- I can identify the independent and dependent variables
- I can explain my thinking or justify my answers