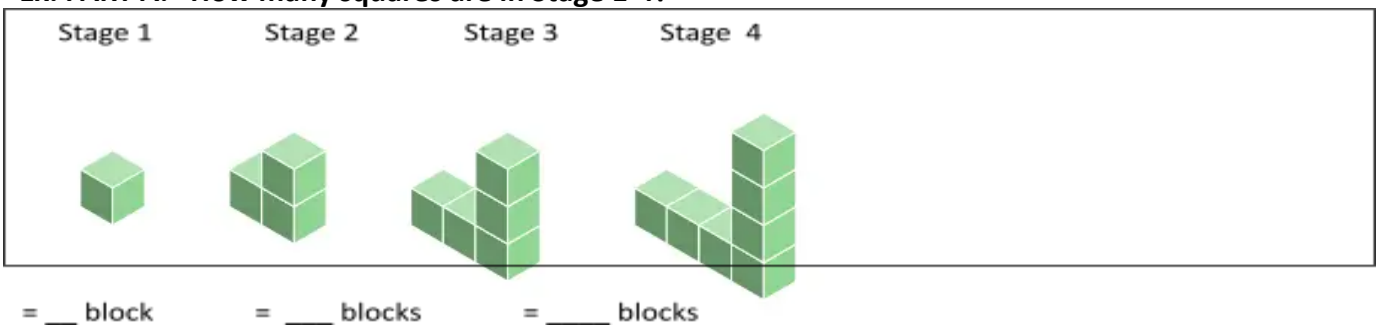
Math 9 Date: _____ Name: _____

5.1 Identifying Patterns from Pictures and Tables

We can determine patterns and utilize variables to make predictions

Ex. PART A: How many squares are in Stage 1-4?



= __ block = ___ blocks = _____ blocks

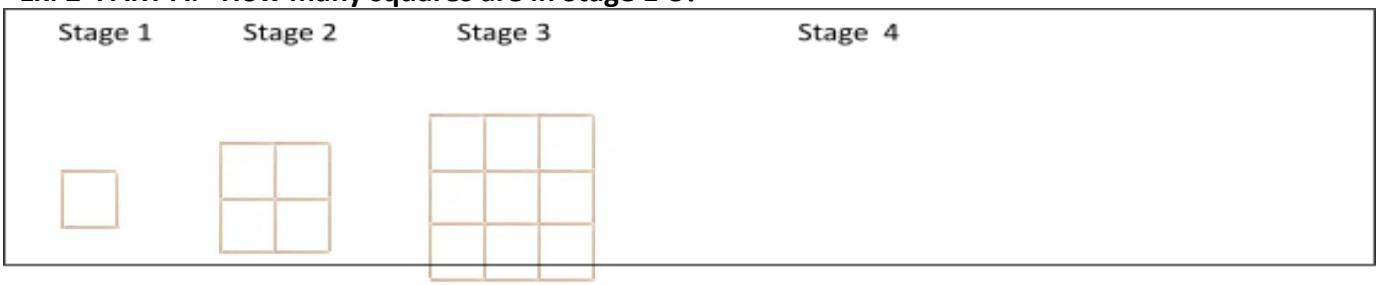
PART B – **Predict what the shape in the next step will look like AND determine the number of squares in that shape.**

Part C – Describe the pattern you saw above in words

Part D

- **Choose a *variable* that could represents the number of blocks: _____**
- **Choose a *variable* that could represents the stage number: _____**
- **Try writing a mathematical that relates the number of blocks to the stage number**

Ex. 2 PART A: How many squares are in Stage 1-3?



= __ block = ____ blocks = _____ blocks

PART B – Predict what the shape in the next step will look like AND determine the number of squares in that shape.

Part C – Describe the pattern you saw above in words

Part D

- **Choose a *variable* that could represents the number of squares: _____**
- **Choose a *variable* that could represents the stage number: _____**
- **Try writing a mathematical that relates the number of blocks to the stage number**