

Name _____

Growing Patterns

Count and record the sides of each individual pattern block for the first column. Continue adding pattern pieces, then count the number of sides and record the amount for each column. Pattern blocks with sides touching count as one.

Number of Shapes used	1	2	3	4	5	6	What's the Rule?
Triangle							
Hexagon							
Square							
Rhombus							
Trapezoid							

Create a pattern using three to five pattern blocks. Repeat this pattern two more times, then answer the questions.

- How many sides are there in the original pattern? _____
- How many sides are there when two patterns are side by side? _____
- How many sides are there when the pattern is repeated three times? _____
- What is the rule? _____
- Use the rule to find how many sides there will be when the pattern repeats nine times.
Circle your answer.

Draw your original pattern: