MP4b-Algebra: Generate And Analyze Patterns

Content Area: **Mathematics**
Course(s): **Math 4 Resource Room**
Time Period: **Marking Period 4**
Length: **MP4 Topic 14 14-1 to 14-4**
Status: **Published**

Essential Questions

- How can you use a rule to continue a pattern?
- How can you use a table to extend a pattern?
- How can you use a repeating pattern to predict a shape?

Big Ideas

- **Growing and Shrinking Number Patterns:** Students use a rule to generate more numbers in the sequence and to describe features of the pattern.
- **Repeating Patterns and Division:** Students connect repeating shape patterns and repeating number patterns.

Enduring Understandings

Operations and Algebraic Thinking

4.OA.C.5[M] Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.

Mathematical Practices Focus

7. Look for and make use of structure.