

Operations and Algebraic Thinking Mini-Lesson

Grade Level: 4th

Curriculum Topic: Operations and Algebraic Thinking

AR.Math.Content.4.OA.C.5—Generate a number or shape pattern that follows a given rule.

AR.Math.Content.4.OA.C.5—Identify apparent features of the pattern that were not explicit in the rule itself.

Tools: Osmo Tangram and Microsoft Word

Synopsis: Students will get to experiment with Osmo Tangrams. They will have various shapes and will have to create something out of the shapes dependent on what the screen shows. They will be able to practice following a pattern and then leveling up to more challenging shapes or patterns. After the students experiment thoroughly, they will go back to their seats and pull up a word document. They will be instructed to comment on what they thought was challenging about using this tool and what was fun or easy. Here, they can let me know what they may still be confused about within shape patterns.