

Mini Lesson One

Grade level: 3rd

Topic: Math

Standard: AR.Math.Content.3.G.A.1 Understand that shapes in different categories (e.g., rhombuses, rectangles, and others) may share attributes (e.g., having four sides) and that the shared attributes can define a larger category (e.g., quadrilaterals)

- Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any of these subcategories

Materials needed:

Osmo cameras and iPads (one for each pair of students)

Tangram app

Osmo Tangrams

Instruction: Students will be paired off. Each pair will have an Osmo iPad and camera set. Each Pair will have tangrams. First the teacher will be going over what a tangram is, what each shape is called, and review how many sides each shape has. Students should know their shapes and how many sides there are as this is a refresher lesson. Then the teacher will pass out a work sheet with tangrams that are numbered. Students will work with their partner to decide what each shape is called, how many sides there are, and record their answers. Once the work sheet is completed. Students will use team building skills to play Osmo Tangram. This game allows students to create complex and creative shapes/objects out of tangrams. Students will be given at least 20-30 minutes with the osmo and 15-20 minutes for the worksheet.