

Date: 4/18

Standards:

5.G.3 *Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category. For example, all rectangles have four right angles and squares are rectangles, so all squares have four right angles*

5.G.4 *Classify two-dimensional figures in a hierarchy based on properties.*

Standard for Mathematical Practice:

SMP3: Construct viable arguments and critique the reasoning of others.

SMP6: Attend to precision.

SMP7: Look for and make use of structure.

K: Vocabulary: Attribute, classify, hierarchy, parallel sides, polygon, property, regular polygon, right angles

Names of polygons

Hierarchy of quadrilaterals

U: Students will understand that we organize and classify shapes based on the characteristics (attributes) of the shape.

D: The students will be able to classify polygons and explain the hierarchy of quadrilaterals.

Whole Class:

1. Review attributes and names of polygons, with emphasis on the vocabulary terms: scalene, isosceles, regular.
2. “Make three statements...”
3. Compare and contrast any two polygons
4. Review tasks and have students find partners within their chosen tasks

Paired activity based on interest:

- Venn Diagram
- Sorting Activity
- Guess Who game

Individual / formative assessment:

Exit card: Given a trapezoid and a square, give all of the categories in which they can be described.