Fifth Grade

Math Learning Progression

Vocabulary: quadrilaterals, triangles, acute, obtuse, straight, right, area, equilateral, scalene, isosceles, square, rhombus, kite, rectangle, parallelogram, trapezoid

Identify and classify attributes that determine the names of various quadrilaterals

> "I can identify and classify quadrilaterals by their appropriate names and match the names with visual pictures."

Formative Assessments: Geometric shapes Drawings Real-life examples Graphic organizer Identify, describe, and classify triangles by angle measure and number of congruent sides

> "I can group triangles by their specific attributes." (sides and/or angles)

Formative Assessments: Geometric shapes Drawings Real-life examples Graphic organizer Power polygons

Demonstrate that rectangles with the same area can have different perimeters or with the same perimeter can have different areas

> "I can explain and show the difference between perimeter and area, and why perimeter and an area are labeled differently."

Transform

triangles and

quadrilaterals

to rectangles

to find the

areas

Formative Assessments: Shape Cards Geometric shapes Real-life examples Graph paper Power polygons Demonstrate generalized formulas from transformations of triangles and quadrilaterals to find their areas

"I can change a triangle or a parallelogram into a rectangle with exactly the same area."

Formative Assessments: Triangles/rectangles Geometric shapes Real-life examples Graph paper Power polygons 5.3.F Determine the perimeters and areas of triangles and parallelograms. CCSSM 6.G.1

"I can show you my process to find the area of a triangle and my process for finding the area of a quadrilateral."

Formative Assessments: Geometric shapes Drawings Real-life examples Graph paper Power polygons



Math & Science Collaborative Inquiry Project