



TEACHER PAGE

Lesson: Quadrilateral Bunny
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New Arizona Math Strand 4 Geometry and Measurement Grades 9-12
Articulated 4MH1-02 Identify the hierarchy of quadrilaterals.

Learning Objectives: The student will be able to:

- Identify and demonstrate the hierarchy of quadrilaterals
- Explain the properties of special quadrilaterals to be able to categorize a figure

Overview and Content:

This lesson emphasizes the properties of the quadrilaterals in the hierarchy including parallelograms, rhombi, rectangles, squares, kites and trapezoids. Venn diagrams are used to show the relationship among the figures.

Engage students:

Students see many different types of quadrilaterals in all shapes and sizes. They are to try to place them in their choice of categories according to their own rule or criterion.

Follow-up or Extensions:

DIG DEEPER asks students to describe a quadrilateral given its coordinates. They are to graph the figure and calculate slope and distance to determine its name.

In TALK ABOUT IT, students are given different quadrilaterals connected to a kite string. With a partner, they are asked to predict the figures they think will fly and which will not fly, based on the properties of the quadrilaterals.

In SO WHAT, students are given pictures of the Navajo design called the eye-dazzler. They are asked to find all the parallelograms in the figure.

Assessment:

Always, Sometimes, Never questions must be correctly answered in order to finish the lesson.

