

| Grade 2 Mathematics | Unit 4 – Quadrilaterals |
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| Big Idea/Rationale: | <p>The goal of Unit 4 is to consolidate the learning from Unit 2 about the properties of shapes and how to find the perimeter of squares, rectangles, and triangles. In this unit, parallel lines and parallelograms are introduced and children sort, name and classify quadrilaterals. The inclusive nature of quadrilateral names will be discussed and applied to naming shapes, for instance, children will identify that a rectangle is a parallelogram and a quadrilateral. Children will also have an opportunity to draw triangles and classify them using their own criteria and informal language.</p> <ul style="list-style-type: none"> • Properties of Quadrilaterals and Triangles |
| Enduring Understandings: | <p>Students will understand that:</p> <ul style="list-style-type: none"> • Geometric shapes can be identified and classified by attributes. |
| Essential Questions: | <ul style="list-style-type: none"> • What are the attributes of a shape? • What are ways shapes can be sorted? • What makes one quadrilateral different from another? • How can you determine whether lines are parallel? |
| Lesson Objectives: | <ul style="list-style-type: none"> • Describe properties of squares, rectangles, and triangles. • Explain how to find the perimeter of squares, rectangles, and triangles. • Classify triangles. • Draw and explain parallel lines. • Draw and define parallelograms. • Describe properties of quadrilaterals, parallelograms, rectangles and squares. • Categorize quadrilaterals. • Show relationships among quadrilaterals. |
| Common Core State Standards: | <p>2.NBT.B.5: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</p> <p>2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.</p> <p>Mathematical Practices</p> |
| Materials and Resources: | Grade 2 Math Expressions, Math Journals, manipulatives, IXL Mathematics |
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