Grade 2 Mathematics	Unit 2 – Measurement and Shapes
Big Idea/Rationale:	Unit 2 builds on the conceptual understanding of linear measurement and properties of rectangles and triangles that children developed in previous grades. Children use rulers to measure and draw line segments and then apply their measuring skills to finding the perimeter of squares, rectangles, and triangles. In this unit, children also investigate the properties of squares, rectangles, and triangles and they are expected to draw these shapes using a ruler.
Enduring Understandings:	Students will understand that: • Lengths are measured using standard units of measure. • The perimeter of a shape can be determined by measuring and adding the lengths of its sides. • Many real life objects are examples of plane shapes. • Plane shapes have properties that can be examined and described as sides and corners. • Plane shapes can be sorted by attributes. • Shapes can be moved in a variety of ways and still remain the same shape.
Essential Questions:	• Why are units used in measurement? • How can we measure the perimeter of a shape? • How can we describe geometric figures? • Where can we find plane shapes? • What can we do with shapes and figures?
Lesson Objectives:	• Measure line segments by counting centimeter lengths. • Break apart centimeter lengths into partner lengths. • Measure line segments by reading numbers on a ruler. • Describe properties of squares, rectangles, and triangles. • Label geometric shapes. • Define and find perimeters of squares and rectangles. • Draw triangles. • Find the perimeters of triangles. • Draw angles of triangles.
Common Core State Standards:	**2.MD.B.5:** Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem. **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. **Mathematical Practices**

Materials and Resources:	Grade 2 Math Expressions, Math Journals, manipulatives, IXL Mathematics