

**Content Standard A5
Third Grade Level
Geometry**

State Mathematics Performance Standards 3 rd -5 th	KGBSD Student Objectives	Grade Level Expectations GLE's
<p>M5.2.1 Identify and compare various triangles and quadrilaterals according to their sides and/or angles.</p> <p>M5.2.2 Compare and contrast plane and solid figures (e.g., circle/sphere, square/cube, triangle/pyramid?) Using relevant attributes, including the number of vertices, edges, and the number and shape of faces.</p> <p>M5.2.3 Identify and model geometric figures that are congruent, similar, and/or symmetrical..</p> <p>M5.2.4 Distinguish between area and perimeter; find both using a variety of methods including rulers, grid paper, and tiles.</p>	<p>1.1 Recognize, describe, identify, and draw a trapezoid and rhombus. Compare shapes described by parallel, perpendicular lines, and angles</p> <p>2.1 Identify, define, the attributes and properties of plan figures and solid figures. Describe them in relation to their faces, edges and points</p> <p>2.2 Build, draw, identify figures based on description of specific properties (i.e. draw a figure with 4 equal sides</p> <p>3.1 Identify and describe congruent shapes</p> <p>3.2 Identify, create or draw lines of symmetry</p> <p>4.1 Use linear measurement to find the perimeter of a shape. Use concrete models to determine the area of shapes. Understand the difference between perimeter and area</p>	<p><u>Geometry: Geometric Relationships</u> The student demonstrates an understanding of geometric relationships by</p> <p>[3] G-1 using the number or length of sides to identify, describe, [model L], or compare triangles or rectangles (including squares) (M5.1.1)</p> <p>[3] G-2 using the attributes and properties of plane figures to [model L], identify, compare, or describe plane figures (circles, rectangles, squares, and triangles)[and solid figures (cubes, cylinders, or spheres) L] (M5.1.1 & M5.1.2)</p> <p><u>Geometry: Similarity, Congruence, Symmetry, and Transformation of Shapes</u> The student demonstrates conceptual understanding of similarity, congruence, symmetry, or transformations of shapes by</p> <p>[3] G-3 identifying, creating, or drawing lines of symmetry for real-world objects (e.g., block letters, flags, insects) (M5.1.3)</p> <p>[3] G-4 comparing or describing shapes (circles, triangles, or rectangles) as “larger than,” “smaller than,” or “congruent to,” a given shape (M5.1.3)</p> <p>[3] G-5 identifying the results of transformations (slides) of polygons (M5.1.5)</p> <p><u>Geometry: Perimeter, Area, Volume, and Surface Area</u> The student solves problems using perimeter or area by</p> <p>[3] G-6 estimating or determining area or perimeter of rectangular or square shapes on grids (M5.1.4)</p>

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<p>M5.2.5 Identify and model transformations of geometric figures, describing the motions as slides, flips, or rotations.</p> <p>M5.2.6 Locate and describe objects in terms of their position with and without compass directions; identify coordinates for a given point or locate points of given coordinates on a grid.</p> <p>M5.2.7 Sketch and identify line segments, midpoints, intersections, parallel, and perpendicular lines.</p>	<p>5.1 Identify transformation of geometric figures as a slide, flip, or rotation</p> <p>6.1 Recognizes that numbers on a grid can be represented by points on a line, locate and name points on a line using whole numbers and fractions such as halves</p> <p>6.2 Using directional terms (north, south, east, and west) to describe relative location of objects on a map</p> <p>7.1 Recognize parallel and perpendicular lines and right angles</p>	<p><u>Geometry: Position and Direction</u> The student demonstrates understanding of position and direction by</p> <p>[3] G-7 [using directional terms (inside, outside, right, left, horizontal, vertical) to describe relative location of objects in a picture L] (M5.1.6)</p> <p><u>Geometry: Construction</u> The student demonstrates a conceptual understanding of geometric drawings or constructions by</p> <p>[3] G-8 [drawing real-world objects that consist of geometric shapes (squares, rectangles, triangles, or circles) L] (M5.1.7)</p>