

## Investigations: Shapes, Halves, and Symmetry Alignment to 2nd Grade Expectations

### Geometry

Grade Level Expectations <i>√ Report Card Language</i>	Activities that Address Expectations	Assessment Activity
<p>Recognizes, names, and draws the following 2D shapes: Square, triangle, rectangle, circle, trapezoid, hexagon, and rhombus.</p> <p><i>√ Recognizes &amp; names 2D shapes</i></p>	<ul style="list-style-type: none"> <li>•Activities from <u>Shapes, Halves, and Symmetry</u>, including: Shapes in the Classroom, Sorting Shape Cards, Covering Pattern Blocks, Predict &amp; Cover, Guess My Shape Rule, Building Tile Rectangles, Describing Rectangles, Shape Halves, Mirror Designs</li> </ul>	<ul style="list-style-type: none"> <li>•Thinking About Shapes (MP 31 and MP 44)</li> <li>•End of Unit Assessment</li> </ul>
<p>Recognizes and names the following 3D shapes: cube, sphere, rectangular prism, cylinder, and pyramid.</p> <p><i>√ Recognizes &amp; names 3D shapes</i></p>	<ul style="list-style-type: none"> <li>•Exploring Geoblocks: Faces, Edges &amp; Corners (MP 31)</li> <li>•How Can You Build It? (MP 33)</li> <li>•3D Shape Hunt (MP 32)</li> <li>•3D Shape Graph (EDC, March)</li> </ul>	<ul style="list-style-type: none"> <li>•End of Unit Assessment</li> </ul>
<p>Identifies the most common shapes (square, circle, rectangle, and triangle) by naming at least one attribute, possibly more.</p> <p><i>√ Names at least one attribute of common shapes.</i></p>	<ul style="list-style-type: none"> <li>•Activities from <u>Shapes, Halves, and Symmetry</u>, including: Shapes in the Classroom, Sorting Shape Cards, Covering Pattern Blocks, Guess My Shape Rule, Building Tile Rectangles, Describing Rectangles,</li> </ul>	<ul style="list-style-type: none"> <li>•Making Shape Card Posters (Inv. p. 9)</li> <li>•Thinking About Shapes (MP 30 and MP 44)</li> <li>•Assessment: Picturing a Rectangle (Inv. p. 68 - 71)</li> </ul>
<p>Identifies and constructs simple designs that are symmetrical.</p>	<ul style="list-style-type: none"> <li>•Activities from <u>Shapes, Halves, and Symmetry</u>, including Symmetry in the World, Geoblock Buildings, Mirror Designs, Copy Tiles, Fold &amp; Cut</li> </ul>	<ul style="list-style-type: none"> <li>•Observe children as they work at Choice Time activities during the 4th investigation in this unit, "Symmetry"</li> </ul>
<p>Combines squares and triangles to form various other triangles and quadrilaterals.</p>	<ul style="list-style-type: none"> <li>•Activities from <u>Shapes, Halves, and Symmetry</u>, including Composing New Shapes with 2, 3, or 4 Triangles, Building Tile Rectangles, Quick Images: Rectangular Arrays</li> </ul>	<ul style="list-style-type: none"> <li>•Observe children as they work at the shape combining activities during the 1st investigation in this unit, "Composing and Decomposing Shapes."</li> <li>•Assessment: Picturing a Rectangle (Inv. p. 68 - 71)</li> </ul>
<p>Can divide a rectangle to make two triangles, a square to make two rectangles, and possibly more.</p>	<ul style="list-style-type: none"> <li>•Activities from <u>Shapes, Halves, and Symmetry</u>, including Half and Half Rectangles, Which Rectangles Make Halves?, Fraction Flags, Fourths and Thirds of Rectangles, Thirds and Fourths Flags</li> </ul>	<ul style="list-style-type: none"> <li>•Observe children as they work at the shape dividing activities during the 1st and 3rd investigations in this unit, "Composing and Decomposing Shapes" and "Fractions of Geometric Shapes."</li> <li>•Teacher Checkpoint: Halves (Inv. p. 77 - 79)</li> </ul>

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### Number Sense & Numeration

Grade Level Expectations	Activities that Address Expectations	Assessment Activity
<p>√ <i>Report Card Language</i></p>		
<p>Can arrange a collection of objects up to 100 by tens and ones and use this grouping to count the quantity accurately.</p> <p>√ <i>Understands concept of place value to 100.</i></p>	<ul style="list-style-type: none"> <li>•EDC Counting Tape, 100 Chart, Coin Counter &amp; Daily Depositor</li> <li>•Choice Time Activities held over from Unit 2 (Roll-a-Square, Collect 50¢)</li> <li>•Scoop 100 (MP 35 &amp; 36)</li> <li>•Place Value War (MP 40)</li> </ul>	<ul style="list-style-type: none"> <li>•Observe students doing Roll-a-Square, Scoop 100, Place Value War, and Collect 50¢ during Choice Time</li> <li>•Listen to student's comments during calendar</li> <li>•End of Unit Assessment</li> </ul>
<p>Uses a benchmark of 10 to estimate the number of objects in a collection up to 100 with reasonable accuracy (give or take 10).</p>	<ul style="list-style-type: none"> <li>•Scoop 100 (MP 35 &amp; 36)</li> </ul>	<ul style="list-style-type: none"> <li>•Listen to students' comments when you model Scoop 100 in class, and observe them as they work at the activity during Choice Time.</li> </ul>
<p>Can read and model quantities up to 999.</p>	<ul style="list-style-type: none"> <li>•EDC Counting Tape and 100 Chart</li> <li>•Place Value War (MP 40)</li> </ul>	<ul style="list-style-type: none"> <li>•Observe children playing Place Value War during Choice Time</li> </ul>
<p>Understands, models, reads, and writes the following fractions: halves, fourths, and eighths.</p>	<p>All of the lessons and activities from Investigation 3: Fractions of Geometric Shapes</p>	<ul style="list-style-type: none"> <li>•Teacher Checkpoint: Halves (Inv. p. 77-79)</li> <li>•Observe children's work during Fraction Flags</li> </ul>

### Computation

<p>•Knows addition and subtraction facts to 10.</p> <p>√ <i>Knows addition and subtraction facts to 10.</i></p>	<ul style="list-style-type: none"> <li>•Quick Images: Single 10 Frames</li> <li>•Practice Pages A, B, and C: Number Strings</li> <li>•Kids in the House (MP 38 &amp; 39)</li> </ul>	<ul style="list-style-type: none"> <li>•Observe children as they do Kids in the House sheets during Choice Time</li> <li>•End of Unit Assessment</li> </ul>
<p>Knows and applies strategies to solve addition and subtraction facts to 18 (+ - 0, 1, 2; + - Doubles, Neighbors, 10's, and 9's; - Halves and Run-Away 1's)</p> <p>√ <i>Knows and applies strategies to solve + and - facts to 18</i></p>	<ul style="list-style-type: none"> <li>•Close to 20 (Choice Time activity)</li> <li>•Scout Them Out Activities (MP 34, 35, 37, 41)</li> <li>•Quick Images: Two 10 Frames</li> </ul>	<ul style="list-style-type: none"> <li>•Observe children doing Scout Them Out Sheets, playing Close to 20, and discussing strategies during Quick Images lessons</li> <li>•End of Unit Assessment</li> </ul>
<p>Solves multiplication and division story problems with drawings and symbols.</p>	<p>Activities from <u>Shapes, Halves, and Symmetry</u>, including Covering Pattern Blocks, Predict and Cover, Cube Buildings, Guess My Building, Building Tile Rectangles, How Many Rectangles, Making Rectangles, Fill the Rectangles</p>	<p>Assessment: Picturing a Rectangle (Inv. p. 68 - 71)</p>