

**Madison Public Schools**  
**Kindergarten Marking Period Mathematics Benchmarks**

Counting and Cardinality	MP#1	MP#2	MP#3
<b>Counts to 100 by ones and tens</b>	<ul style="list-style-type: none"> <li>Counts to 20 by ones</li> </ul>	<ul style="list-style-type: none"> <li>Counts to 100 by ones and tens</li> </ul>	<ul style="list-style-type: none"> <li>Accurately counts to 100 by ones and tens from any given number</li> </ul>
<b>Writes numbers from 0 to 20 to represent number of objects</b>	<ul style="list-style-type: none"> <li>Counts objects and writes corresponding numeral 0 to 10 to represent number of objects</li> </ul>	<ul style="list-style-type: none"> <li>Consistently counts objects and writes corresponding numeral 0 to 20 to represent number of objects</li> </ul>	<ul style="list-style-type: none"> <li>Accurately counts and properly forms numerals from 0 to 20 to represent number of objects</li> </ul>
<b>Compares numerals and quantities in a group (0 -10)</b>	<ul style="list-style-type: none"> <li>Uses strategies to compare quantities in a group to 10</li> </ul>	<ul style="list-style-type: none"> <li>Uses strategies to compare quantities in a group to 10 and writes corresponding numerals</li> </ul>	<ul style="list-style-type: none"> <li>Accurately uses strategies to compare quantities in a group to 10 and writes corresponding numerals</li> </ul>
Operations and Algebraic Thinking	MP#1	MP#2	MP#3
<b>Adds fluently within 5</b>	Skills not assessed at this time	<ul style="list-style-type: none"> <li>Shows an understanding of putting groups together within 5 using pictures and manipulatives</li> </ul>	<ul style="list-style-type: none"> <li>Adds within 5 fluently</li> </ul>
<b>Subtracts fluently within 5</b>	Skills not assessed at this time	<ul style="list-style-type: none"> <li>Shows an understanding of taking objects away within 5 by using pictures and manipulatives.</li> </ul>	<ul style="list-style-type: none"> <li>Subtracts within 5 fluently</li> </ul>

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<b>Solves problems using the concepts of addition and subtraction within 10</b>	Skills not assessed at this time	<ul style="list-style-type: none"> <li>• Uses addition and subtraction strategies within 5 to solve word problems using objects and drawings</li> </ul>	<ul style="list-style-type: none"> <li>• Uses addition and subtraction strategies within 10 to solve word problems using objects and drawings</li> </ul>
<b>Numbers and Operations Base Ten</b>	<b>MP#1</b>	<b>MP#2</b>	<b>MP#3</b>
<b>Composes and decomposes numbers (11 to 19) into tens and ones</b>	Skills not assessed at this time	<ul style="list-style-type: none"> <li>• Composes and decomposes numbers (11 to 19) into tens and ones using objects and drawings</li> </ul>	<ul style="list-style-type: none"> <li>• Accurately composes and decomposes numbers (11 to 19) into tens and ones using objects, drawings, and/or equations</li> </ul>
<b>Measurement and Data</b>	<b>MP#1</b>	<b>MP#2</b>	<b>MP#3</b>
<b>Describes and compares measureable attributes</b>	<ul style="list-style-type: none"> <li>• Describes measureable attributes of objects such as size, length, or weight</li> </ul>	<ul style="list-style-type: none"> <li>• Describes and compares two objects with a measurable attribute in common such as size, length, or weight</li> </ul>	<ul style="list-style-type: none"> <li>• Accurately describes and compares two objects with a measurable attribute in common such as size, length, or weight</li> </ul>
<b>Sorts, counts, and classifies objects into categories</b>	<ul style="list-style-type: none"> <li>• Sorts, counts, and classifies objects by color</li> </ul>	<ul style="list-style-type: none"> <li>• Sorts, counts, and classifies objects by color and size</li> </ul>	<ul style="list-style-type: none"> <li>• Accurately sorts, counts, and classifies objects into categories (ex. color, shape)</li> </ul>
<b>Geometry</b>	<b>MP#1</b>	<b>MP#2</b>	<b>MP#3</b>
<b>Identifies and describes two and three dimensional shapes</b>	Skills not assessed at this time	<ul style="list-style-type: none"> <li>• Recognizes 2 and 3 -dimensional shapes.</li> </ul>	<ul style="list-style-type: none"> <li>• Accurately identifies squares, circles, triangles, rectangles, hexagons, cubes, cones,</li> </ul>

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			cylinders, and spheres as flat or solid figures.
<b>Analyzes, compares and composes two and three dimensional shapes</b>	Skills not assessed at this time	<ul style="list-style-type: none"> <li>Analyzes shapes and describes using informal language like number of sides or corners (vertices)</li> </ul>	<ul style="list-style-type: none"> <li>Accurately analyzes and compares shapes by size, , and attributes; composes simple shapes into larger shapes (2 triangles = square)</li> </ul>