

## Fifth Grade Mathematics Progress Report Benchmarks 2018-19

See *Assessment in This Unit* in each unit for sources of evidence.

Observations of student thinking during Ten Minute Math, activities, games, and discussions should be used as additional sources of evidence.

<p><b>Beginning:</b> Requires significant teacher support and/or cues  <b>Progressing:</b> Requires some teacher support or teacher prompting  <b>Meeting:</b> Meets all benchmarks  <b>Exceeding:</b> Meets level M and engages productively and independently with the offered extensions</p>			
Progress Report Item	Term 1 Meeting Consistently and independently...	Term 2 Meeting Consistently and independently...	Term 3 (EOY) Meeting Consistently and independently...
<p><b>Perseverance</b>            Makes sense of problems that challenge the student and perseveres at solving them  <b>T1, T2, T3</b></p>	<p>Makes sense of problems that challenge the student and perseveres in solving them:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> spends time making sense of the problem</li> <li><input type="checkbox"/> checks understanding while working on the problem</li> <li><input type="checkbox"/> willing to try more than one strategy when needed</li> <li><input type="checkbox"/> judges whether an answer makes sense and is willing to go back when it doesn't.</li> </ul>	Same as Term 1	Same as Term 1
<p><b>Communication</b>            Communicates mathematical thinking clearly and precisely, orally and in writing  <b>T1, T2, T3</b></p>	<p>Uses mathematical language to accurately communicate understanding and reasoning</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> orally</li> <li><input type="checkbox"/> in writing (models, equations, labels, words)</li> </ul> <p>Listens and responds to the reasoning of others</p>	Same as Term 1	Same as Term 1
<p><b>Place Value Application</b></p>	N/A	Unit 6: <ul style="list-style-type: none"> <li>• Write compare and round decimals to thousandths.</li> </ul>	Unit 7: <ul style="list-style-type: none"> <li>• Recognize and use place value relationships to explain patterns when multiplying or dividing by powers of 10, including placement of the decimal point.</li> </ul>
<p><b>Multiplication/ Division with properties, models, and strategies</b></p>	Unit 1: <ul style="list-style-type: none"> <li>• Solve 2- digit by 2- digit multiplication problems efficiently</li> <li>• Solve problems with 1-digit and 2 digit divisors</li> <li>• Use order of operations to solve computation problems</li> </ul>	Unit 4: <ul style="list-style-type: none"> <li>• Fluently solve multi-digit multiplication problems using a variety of strategies including the U.S. standard algorithm.</li> <li>• Solve division problems with up to 4-digit dividends and 2-digit divisors efficiently.</li> </ul>	N/A

<b>Fractions</b>	Unit 3: <ul style="list-style-type: none"> <li>• Add fractions with unlike denominators</li> <li>• Subtract fractions with unlike denominators</li> </ul>	N/A	Unit 7: <ul style="list-style-type: none"> <li>• Multiply fractions, mixed numbers, and whole numbers.</li> <li>• Compare the size of the factors and the size of the product and explain their relationship.</li> <li>• Divide a unit fraction by a whole number and a whole number by a unit fraction.</li> <li>• Solve division problems with two whole numbers resulting in a fraction or a mixed number.</li> </ul>
<b>Measurement &amp; Data</b>	Unit 2: <ul style="list-style-type: none"> <li>• Find the volume of rectangular prisms, including the use of volume formulas.</li> <li>• Find the volume of a solid composed of two rectangular prisms.</li> <li>• Use standard units to measure volume.</li> </ul> Unit 3: <ul style="list-style-type: none"> <li>• Represent data including fractions on a line plot and solve addition and subtraction problems about data.</li> </ul>	Unit 5: <ul style="list-style-type: none"> <li>• Use tables to record ordered pairs and construct coordinate graphs to represent the relationship between x-coordinates and y-coordinates.</li> <li>• Determine what values are represented by points on a coordinate grid</li> <li>• Represent real world and mathematical problems by graphing points in the coordinate plane and interpret the graph in the context of the situation.</li> <li>• Use tables and graphs to compare two situations governed by rules that generate numerical patterns.</li> </ul>	Unit 7 <ul style="list-style-type: none"> <li>• Solve measurement conversion problems including multi-step word problems.</li> </ul>
<b>Decimals</b>	N/A	Unit 6: <ul style="list-style-type: none"> <li>• Add and subtract decimals</li> </ul> Unit 7: <ul style="list-style-type: none"> <li>• Multiply and divide decimals to hundredths.</li> </ul>	N/A
<b>Geometry</b>	N/A	N/A	Unit 8: <ul style="list-style-type: none"> <li>• Classify polygons by their attributes, and know that some quadrilaterals can be classified in more than one way</li> <li>• Identify and explain numerical patterns when comparing perimeters or areas of related rectangles</li> </ul>