

Worth County Elementary School  
Fifth Grade 2nd Nine Weeks  
Mathematics Pacing Guide

Week	Dates	Unit Topic	GSE Standard	Overview of lessons taught
1	10/12 -10/14	Multiply Multi-digit Whole Numbers and Decimals	<p><b>MGSE5.NBT.5</b> Fluently multiply multi-digit whole numbers using the standard algorithm (or other strategies demonstrating understanding of multiplication) up to a 3-digit by 2- digit factor.</p> <p><b>MGSE5.NBT.7</b> Add, subtract, <b>multiply</b>, and divide decimals to hundredths.</p>	<ul style="list-style-type: none"> <li>• Apply strategies for multiplying a 2- or 3-digit number by a 2-digit number.</li> <li>• Develop paper-and-pencil multiplication algorithms (not limited to the traditional algorithm) for 3- or 4-digit number multiplied by a 2- or 3- digit number.</li> <li>• Use concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</li> <li>• Relate the strategy to a written method and explain the reasoning used.</li> </ul>
2	10/17-10/21	Multiply Multi-digit Whole Numbers and Decimals	<p><b>MGSE5.NBT.5</b> Fluently multiply multi-digit whole numbers using the standard algorithm (or other strategies demonstrating understanding of multiplication) up to a 3-digit by 2- digit factor.</p> <p><b>MGSE5.NBT.7</b> Add, subtract, <b>multiply</b>, and divide decimals to hundredths.</p>	<ul style="list-style-type: none"> <li>• Apply strategies for multiplying a 2- or 3-digit number by a 2-digit number.</li> <li>• Develop paper-and-pencil multiplication algorithms (not limited to the traditional algorithm) for 3- or 4-digit number multiplied by a 2- or 3- digit number.</li> <li>• Use concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</li> <li>• Relate the strategy to a written method and explain the reasoning used.</li> </ul>
3	10/24-10/28	Divide Whole Numbers and Decimals	<p><b>MGSE5.NBT.6</b> Fluently divide up to 4-digit dividends and 2-digit divisors by using at least one of the following methods: strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations or concrete models. (e.g.,</p>	<ul style="list-style-type: none"> <li>• Apply paper and pencil algorithms for division.</li> <li>• Solve problems involving multiplication and division.</li> <li>• Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</li> <li>• Use concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</li> </ul>

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			<p>rectangular arrays, area models)</p> <p><b>MGSE5.NBT.7</b> Add, subtract, multiply, <b>and divide</b> decimals to hundredths.</p>	<ul style="list-style-type: none"> <li>Relate the strategy to a written method and explain the reasoning used.</li> </ul>
4	10/31-11/4	Divide Whole Numbers and Decimals	<p><b>MGSE5.NBT.6</b> Fluently divide up to 4-digit dividends and 2-digit divisors by using at least one of the following methods: strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations or concrete models. (e.g., rectangular arrays, area models)</p> <p><b>MGSE5.NBT.7</b> Add, subtract, multiply, <b>and divide</b> decimals to hundredths.</p>	<ul style="list-style-type: none"> <li>Use concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.</li> <li>Relate the strategy to a written method and explain the reasoning used.</li> </ul>
5	11/7-11/11  11/9 2B TEST	Add/Subtract/ Simplify Fractions	<p><b>MGSE5.NF.1</b> Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.</p>	<ul style="list-style-type: none"> <li>Add fractions/mixed numbers with unlike denominators and simplify.</li> <li>Subtract fractions/mixed numbers with unlike denominators and simplify.</li> </ul>
6	11/14-11/18	Add/Subtract/ Simplify Fractions	<p><b>MGSE5.NF.1</b> Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.</p>	<ul style="list-style-type: none"> <li>Add fractions/mixed numbers with unlike denominators and simplify.</li> <li>Subtract fractions/mixed numbers with unlike denominators and simplify.</li> </ul>

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7	11/28-12/2	Add/Subtract/ Simplify Fractions	<p><b>MGSE5.NF.1</b> Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.</p> <p><b>MGSE5.NF.2</b> Solve word problems involving addition and subtraction of fractions, including cases of unlike denominators. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.</p>	<ul style="list-style-type: none"> <li>● Add fractions/mixed numbers with unlike denominators and simplify.</li> <li>● Subtract fractions/mixed numbers with unlike denominators and simplify.</li> </ul>
8	12/5-12/9  12/9 2C TEST	Add/Subtract/ Simplify Fractions	<p><b>MGSE5.NF.1</b> Add and subtract fractions with unlike denominators (including mixed numbers) by replacing given fractions with equivalent fractions in such a way as to produce an equivalent sum or difference of fractions with like denominators.</p> <p><b>MGSE5.NF.2</b> Solve word problems involving addition and subtraction of fractions, including cases of unlike denominators. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers.</p>	<ul style="list-style-type: none"> <li>● Add fractions/mixed numbers with unlike denominators and simplify.</li> <li>● Subtract fractions/mixed numbers with unlike denominators and simplify.</li> </ul>

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9	12/12-12/16	Multiply/Divide/ Simplify Fractions	<p style="text-align: center;"><b>MGSE5.NF.4</b> Apply and extend previous understandings of multiplication to multiply a fraction or whole number by a fraction.</p> <p style="text-align: center;"><b>MGSE5.NF.5</b> Interpret multiplication as scaling (resizing).</p> <p style="text-align: center;"><b>MGSE5.NF.6</b> Solve real world problems involving multiplication of fractions and mixed numbers, e.g., by using visual fraction</p>	<ul style="list-style-type: none"> <li>● Interpret multiplication of a unit fraction by a non-zero whole number, and compute such products</li> <li>● Interpret multiplication of a unit fraction by another unit fraction, and compute such products</li> <li>● Multiply whole numbers and mixed numbers</li> <li>● Multiply fractions and mixed numbers</li> <li>● Multiply mixed numbers</li> <li>● Multiply fractional side lengths to find areas of rectangles, and represent fraction products as rectangular areas.</li> <li>● Interpret division of a unit fraction by a non-zero whole number, and compute such quotients</li> <li>● Interpret division of a whole number by a unit fraction, and compute such quotients.</li> <li>● Interpret multiplication of a unit fraction by a non-zero whole number, and compute such products</li> <li>● Interpret multiplication of a unit fraction by another unit fraction, and compute such products</li> <li>● Multiply whole numbers and mixed numbers</li> <li>● Multiply fractions and mixed numbers</li> <li>● Multiply mixed numbers</li> <li>● Multiply fractional side lengths to find areas of rectangles, and represent fraction products as rectangular areas.</li> </ul>

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