

## Curriculum Map

Course Title: Math

Grade: 5<sup>th</sup>

<b>Unit (Name/Number):</b> Numbers and Operations	<b>Pacing:</b> Refer to <a href="#">RCC Pacing Guide</a> (Unit 1 by end of October)
<b>Essential Question(s):</b> How do you understand the place value system? How do you perform operations with multi-digit whole numbers and decimals to thousandths?	

Content/Key Concepts (Eligible Content)	Standards	Key Vocabulary	Learning Activities/Resources	Evidence of Learning (Assessments; Performance Tasks)
<p><b><u>UNDERSTANDING PLACE VALUE</u></b></p> <p><b>M05.A-T.1.1.1 Demonstrate an understanding that in a multi-digit number, a digit in one place represents 1/10 of what it represents in the place to its left.</b> Example: Recognize that in the number 770, the 7 in the tens place is 1/10 the 7 in the hundreds place.</p> <p><b>M05.A-T.1.1.2 Explain patterns in the number of zeros of the product when multiplying a number by powers of 10 and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10.</b> Example 1: <math>4 \times 10^2 = 400</math> Example 2: <math>0.05 \div 10^3 = 0.00005</math></p> <p><b>M05.A-T.1.1.3 Read and write decimals to thousandths using base-ten numerals, word form, and expanded form.</b> Example: <math>347.392 = 300 + 40 + 7 + 0.3 + 0.09 + 0.002 = 3 \times 100 + 4 \times 10 + 7 \times 1 + 3 \times (0.1) + 9 \times (0.01) + 2 \times (0.001)</math></p> <p><b>M05.A-T.1.1.4 Compare two decimals to thousandths based on meanings</b></p>	<p><b><u>Common Core</u></b> 5.NBT.1, 5.NBT.3, 5.NBT.3a, 5.NBT.3b</p> <p><b><u>PA Core Standards</u></b> CC.2.1.5.B.1</p>	<ul style="list-style-type: none"> <li>• base ten</li> <li>• tenth</li> <li>• hundredth</li> <li>• thousandth</li> <li>• decimal</li> <li>• place value</li> <li>• exponent</li> <li>• base</li> <li>• power of ten</li> <li>• inverse operations</li> <li>• expanded form</li> <li>• estimate</li> </ul>	<p>Lesson 1: Understand Place Value (M) Lesson 2: Understand Powers of Ten (M) <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion</p> <p>Lesson 2: Understand Powers of Ten (M) <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion</p> <p>Lesson 3: Read and Write Decimals (M) <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion</p> <p>Lesson 4: Compare and Round Decimals</p>	<p><b><u>Assessment Options:</u></b> RCC Quizzes RCC Mid-Unit Assessment (after Lesson 4) RCC Interim Assessment SAS Assessment Builder</p> <p><b><u>Required Assessment:</u></b> RCC Unit 1 Assessment</p> <p><b><u>Extension Activity:</u></b> RCC Math in Action</p> <p><b><u>Math Practice Standards</u></b> <b>Understand Place Value-2,</b> 4, 6, 7 <b>Understand Powers of Ten-2,</b> 4, 6, 7, 8 <b>Read and Write Decimals-2,</b> 5, 7, 8 <b>Compare and Round Decimals-1,</b> 2, 4, 6 <b>Multiply Whole Numbers-1,</b></p>

of the digits in each place using $>$ , $=$ , and $<$ symbols.  <b>M05.A-T.1.1.5 Round decimals to any place (limit rounding to ones, tenths, hundredths, or thousandths place).</b>		<ul style="list-style-type: none"> <li>compare</li> </ul>	<b>(M)</b> <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion  Lesson 4: Compare and Round Decimals <b>(M)</b> <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion	2, 3, 4, 5, 6, 7, 8  <b>Divide Whole Numbers-1,</b> 2, 3, 4, 5, 7  <b>Add and Subtract</b> <b>Decimals-2, 3, 4, 5, 6, 7, 8</b>  <b>Multiply Decimals-1, 2, 3, 4,</b> 5, 7  <b>Divide Decimals-1, 2, 3, 4,</b> 5, 7
<b><u>OPERATIONS WITH WHOLE NUMBERS AND DECIMALS</u></b>				
<b>M05.A-T.2.1.1 Multiply multi-digit whole numbers (not to exceed three-digit by three-digit).</b>	<b><u>Common Core</u></b> 5.NBT.2, 5.NBT.4, 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NBT.8  <b><u>PA Core Standards</u></b> CC.2.1.5.B.2	<ul style="list-style-type: none"> <li>distributive property</li> <li>factor</li> <li>product</li> <li>partial products</li> </ul>	Lesson 5: Multiply Whole Numbers <b>(M)</b> <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion	
<b>M05.A-T.2.1.2 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.</b>		<ul style="list-style-type: none"> <li>divisor</li> <li>dividend</li> <li>quotient</li> <li>partial quotient</li> </ul>	Lesson 6: Divide Whole Numbers <b>(M)</b> <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion	
<b>M05.A-T.2.1.3 Add, subtract, multiply, and divide decimals to hundredths (no divisors with decimals).</b>		<ul style="list-style-type: none"> <li>sum</li> <li>difference</li> <li>addend</li> </ul>	Lesson 7: Add and Subtract Decimals <b>(M)</b> Lesson 8: Multiply Decimals <b>(M)</b> Lesson 9: Divide Decimals <b>(M)</b> <a href="#">Sample Assessment Questions</a> <a href="#">SAS Materials/Resources</a> Calculator use at teacher discretion	

M = lessons that have a **major emphasis** in the Common Core Standards

S/A = lessons that have **supporting/additional** emphasis in the Common Core Standards

**Math Practice Standards:**

- 1- Make sense of problems and persevere in solving them
- 2- Reason abstractly and quantitatively
- 3- Construct viable arguments and critique the reasoning of others
- 4- Model with mathematics

- 5- Use appropriate tools strategically
- 6- Attend to precision
- 7- Look for and make use of structure
- 8- Look for and express regularity in repeated reasoning