

Worth County Elementary
4th Grade
Quarter 1 Math Pacing Guide

Week	Dates	Unit Topic	Math GSE Standard	Overview of Lessons Taught
1	8/4 - 8/5 & 8/8 - 8/12	-Rituals and Routines -Standards of Mathematical Practices Place Value	RULES/Procedures -NUMBER TALKS <u>Standards of Mathematical Practices (used daily)</u> SMP1. Make sense of problems and persevere in solving them. SMP2. Reason abstractly and quantitatively. SMP3. Construct viable arguments and critique the reasoning of others. SMP4. Model with mathematics. SMP5. Use appropriate tools strategically. SMP6. Attend to precision. SMP7. Look for and make sense of structure. SMP8. Look for and express regularity in repeated reasoning. <u>MGSE4.NBT.1</u> Recognize that in a multi-digit whole number, a digit in any one place represents ten times what it represents in the place to its right. For example, recognize that $700/70=10$ by applying concepts of place value and division.	Rituals and Routines Handbook, Daily Routine, Classroom Rules and Procedures, Small Groups, Number Talks SMPs 1-8 Generalize place value for multi-digit whole numbers.
2	8/15 - 8/19	Place Value -Standards of Mathematical Practices	<u>MGSE4.NBT.2</u> Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols to record the results of comparisons.	Generalize place value for multi-digit whole numbers. SMPs 1-8
3	8/22 - 8/26 Unit 1A -8/26 Place Value & Rounding	Rounding -Standards of Mathematical Practices	<u>MGSE4.NBT.3</u> Use place value understanding to round multi-digit whole numbers to any place.	Generalize place value for multi-digit whole numbers. (rounding) SMPs 1-8
4	8/29 - 9/2	Computing with Whole Numbers *Adding *Subtracting -Standards of Mathematical Practices	<u>MGSE4.NBT.4</u> Fluently add and subtract multi-digit whole numbers using the standard algorithm.	Use place value understanding and properties of operations to perform multi-digit arithmetic. (adding/subtracting) SMPs 1-8

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5	9/5 - 9/9 Labor Day	Computing with Whole Numbers *Adding *Subtracting -Standards of Mathematical Practices	<u>MGSE4.NBT.4</u> Fluently add and subtract multi-digit whole numbers using the standard algorithm.	Use place value understanding and properties of operations to perform multi-digit arithmetic. (adding/subtracting) SMPs 1-8
6	9/12 - 9/16	Computing with Whole Numbers *Adding *Subtracting -Standards of Mathematical Practices	<u>MGSE4.NBT.4</u> Fluently add and subtract multi-digit whole numbers using the standard algorithm.	Use place value understanding and properties of operations to perform multi-digit arithmetic. (adding/subtracting) SMPs 1-8
7	9/19 - 9/23 Unit 1B-9/22 Addition & Subtraction	Computing with Whole Numbers *Multiplying -Standards of Mathematical Practices	<u>MGSE4.NBT.5</u> Multiply a whole number of up to four digits by a one-digit whole number, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. <u>MGSE4.OA.1</u> Understand that a multiplicative comparison is a situation in which one quantity is multiplied by a specified number to get another quantity. a. Interpret a multiplication equation as a comparison e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. b. Represent verbal statements of multiplicative comparisons as multiplication equations	Use place value understanding and properties of operations to perform multi-digit arithmetic. (multiplying) SMPs 1-8
8	9/26 - 9/30	Computing with Whole Numbers *Multiplying -Standards of Mathematical Practices	<u>MGSE4.NBT.5</u> Multiply a whole number of up to four digits by a one-digit whole number, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. <u>MGSE4.OA.1</u> Understand that a multiplicative comparison is a situation in which one quantity is multiplied by a specified number to get another quantity. a. Interpret a multiplication equation as a comparison e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. b. Represent verbal statements of multiplicative	Use place value understanding and properties of operations to perform multi-digit arithmetic. (multiplying) SMPs 1-8

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			comparisons as multiplication equations	
9	10/3 - 10/7 **End of 9 weeks 10/6 Fall Break 10/7 - 10/11	Computing with Whole Numbers *Multiplying -Standards of Mathematical Practices	<p style="text-align: center;"><u>MGSE4.NBT.5</u></p> <p>Multiply a whole number of up to four digits by a one-digit whole number, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.</p> <p style="text-align: center;"><u>MGSE4.OA.1</u></p> <p>Understand that a multiplicative comparison is a situation in which one quantity is multiplied by a specified number to get another quantity. a. Interpret a multiplication equation as a comparison e.g., interpret $35 = 5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. b. Represent verbal statements of multiplicative comparisons as multiplication equations</p>	Use place value understanding and properties of operations to perform multi-digit arithmetic. (multiplying) SMPs 1-8