4th Grade 1st 9 Weeks

Week	Standard **The highlighted words indicate the taxonomy level of the standard**	Whole Group **"LT" Refers to the Learning Target of the lesson**	Small Group **Review/ Preview**	**Current Skill**	Waggle	Daily Math
Week 1 8/15-8/19	**MA.4.NSO.1.1 (1.1)** Express how the value of a digit in a multi-digit whole number changes if the digit moves one place to the left or right. **MA.4.NSO.1.2 (1.2)** Read and write multi-digit whole numbers from 0 to 1,000,000 using standard form, expanded form and word form. **MA.4.NSO.1.3 (1.3)** Plot, order and compare multi-digit whole numbers up to 1,000,000. **MA.4.NSO.1.4 (1.4)** Round whole numbers from 0 to 10,000 to the nearest 10, 100 or 1,000.	Ch. 1 Prerequisite Vocabulary - Hundreds, Ones, Tens, Ten thousands, Thousands 1.1 Place Value and Patterns **LT: Describe the relationship between two place-value positions.** Place Value and Patterns Engage **(Use the Contents tab to the top left to navigate to each lesson)** 1.2 Read and Write Numbers **LT: Read and write whole numbers in standard form, word form, and expanded form.** *Vocabulary - Period, Expanded Form, Standard Form, Word Form Read and Write Numbers - Engage, Explore, Explain, Elaborate, Evaluate 1.3 Compare and Order Numbers **LT: Compare and order whole numbers based on the values of the digits in each number.** Compare and Order Numbers - Engage, Explore, Explain,	**Review**: **Forms of a Number** MA.3.NSO.1.1 Read and write numbers from 0 to 10,000 using standard form, expanded form and word form. (Goal for 4th Grade is to read/write numbers up to 1,000,00) Example: (2 x 100,000) + (7 x 10,000) + (5 x 1,000) + (8x 100) + (2 x 1) **Preview**: **Multiplying using multiples of 10** MA.3.NSO.2.3 Multiply a one-digit whole number by a multiple of 10, up to 90, or a multiple of 100, up to 900, with procedural reliability.	Day 1 Place Value and Patterns (1.1) Day 2 Read and Write Numbers (1.2) Day 3 Compare and Order Numbers (1.3) Day 4 Round Numbers (1.4) Day 5 Chapter 1 Review (Remediate, if needed)	How to access Waggle Lessons (Average Time: 12 minutes) Place Value Comparing Whole Numbers Rounding Whole Numbers Skill Boosts (Average Time: 10 minutes) Place Value in Whole	Week 1 - Daily Math Skills: Value and Place Value, Multiplicative Comparisons, Number Forms, Writing Fractions, Metric Conversions, Geometric Figures

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		Elaborate, Evaluate 1.4 Round Numbers **LT: Round a whole number to any place.** *Vocabulary - Estimate, Round Round Numbers Engage Explore Elaborate Evaluate Chapter 1 Review			Numbers Compare Whole Numbers Read and Write Whole Numbers Round Whole Numbers	
Week 2 8/22-8/26	**4.AR.1.1. (2.1, 2.2)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context. **4.AR.2.1. (2.2)** Determine and explain whether an equation involving any of the four operations with while numbers is true or false. **A.4.AR.2.2. (2.1, 2.2)** Given a mathematical or real-world context, write an equation involving	Chapter 1 Test Ch. 2 Prerequisite Vocabulary - Estimate, Expanded form, Factor, Place value, Product, Regroup, Rounding 2.1 Multiplication Comparisons **LT: Relate multiplication equations and comparison statements.** Multiplication Comparison Engage Explore Explain Elaborate Evaluate 2.2 Comparison Problems **LT: Solve problems involving multiplicative comparison and additive comparison.**	**Review: Add/Subtract Whole Numbers** MA.3.NSO.2.1 Add/Subtract Whole Numbers up to the 10,000s *Include subtracting across zeros **Preview: Multiplying using Multiples of 10.** MA.3.NSO.2.3 Multiply a one-digit whole number by a multiple of 10 or 100. *By the end of the week- possibly go up to 2 digit by 2 digit	Day 1 Chapter 1 Test Day 2 Multiplication Comparisons (2.1) Day 3 Comparison Problems (2.2) 2 Days Day 4 Comparison Problems (2.2) Day 5 Estimate Products by 1-Digit Numbers (2.4)	Lessons Multiplication Equations Multiplying by One-Digit Numbers Skill Boosts Interpret Multiplication Equations Multiplying by One-Digit	Week 2 - Daily Math Skills: Value and Place Value, Multiplicative Comparisons, Number Forms, Writing Fractions, Metric Conversions, Geometric

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	multiplication or division to determine the unknown whole number with the unknown in any position. **4.NSO.1.4. (2.4)** Round whole numbers from 0 to 10,000 to the nearest 10, 100, or 1,000. **4.NSO.2.1. (2.1, 2.2, 2.3)** Recall multiplication facts with factors up to 12 and related division facts with automaticity. **4.NSO.2.2. (2.3)** Multiply two whole numbers, up to three digits by two digits, with procedural reliability. **4.NSO.2.5 (2.4)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding, and place value.	**Comparison Problems Engage Explore Explain Elaborate Evaluate** 2.4 Estimate Products by 1-Digit Numbers **LT: Estimate products by rounding and determine if exact answers to multiplication problems are reasonable.** **Estimate Products by 1-digit numbers Engage Explore Explain Elaborate Evaluate**	with higher groups; 20 x 60 (Estimate Products-Lesson 3.1)		Numbers	Figures
Week 3 8/29-9/2	**4.NSO.2.1. (2.5, 2.6, 2.7)** Recall multiplication facts with factors up to 12 and related division facts with	2.5 Multiply Using the Distributive Property **LT: Use the Distributive Property to multiply a 2-digit number by a 1-digit number.**	**Review: Rounding** MA.4.NSO.1.4 Round whole numbers from 1 to 10,000 to	Day 1 Multiply Using the Distributive Property (2.5) 2 Days	Lessons Multiplying by 1-Digit Numbers	Week 3 - Daily Math Skills: Key

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	automaticity. **4.NSO.2.2. (2.5, 2.6, 2.7** Multiply two whole numbers, up to three digits by two digits, with procedural reliability. **4.NSO.2.5. (2.5, 2.6, 2.7)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding, and place value.	*Vocabulary - Distributive Property, Partial product **Multiply Using Distributive** **Engage Explore Explain Elaborate Evaluate** 2.6 Multiply Using Expanded Form **LT: Use expanded form to multiply a multi-digit number by a 1-digit number.** **Multiply Using Expanded Form** **Engage Explore Explain Elaborate Evaluate** 2.7 Multiply Using Partial Products **LT: Use place value and partial products to multiply a multi-digit number by a 1-digit number.** **Multiply Using Partial Products** **Engage Explore Explain Elaborate Evaluate**	nearest 10, 100, or 1,000 **Preview: Elapsed Time** MA.4.M.2.1 Use the four operations to solve word problems involving distances, intervals of time, and money, including problems involving simple fractions or decimals. Represent fractional quantities of distance and intervals of time using linear models.	Day 2 Multiply Using the Distributive Property (2.5) Day 3 Multiply Using Expanded Form (2.6) 2 Days Day 4 Multiply Using Expanded Form (2.6) 2 Days Day 5 Multiply Using Partial Products (2.7) 2 Days	Skill Boosts Multiply by 1-Digit Numbers	Words - Operations, Multiple Step Problems, Rounding, Fraction Comparison, Elapsed Time, Geometric Figures
Week 4 Holiday 9/6-9/9	**4.AR.1.1. (2.9)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.	2.7 Multiply Using Partial Products **LT: Use place value and partial products to multiply a multi-digit number by a 1-digit number.** **Multiply Using Partial Products** **Engage Explore Explain Elaborate**	**Review: Comparing Fractions** MA.4.FR.1.4 Plot, order and compare fractions, including mixed numbers and fractions	Day 1 Multiply Using Partial Products (2.7) Day 2 Multiply Using Mental Math (2.8) Day 3 Multi-Step	Lessons Multiplying by 1-Digit Numbers Skill Boosts Multiply by	Week 4 - Daily Math Skills: Key Words - Operations, Multiple

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	4.AR.2.1. (2.8) Determine and explain whether an equation involving any of the four operations with while numbers is true or false. **4.NSO.2.1. (2.7, 2.9)** Recall multiplication facts with factors up to 12 and related division facts with automaticity. **4.NSO.2.2. (2.7, 2.8)** Multiply two whole numbers, up to three digits by two digits, with procedural reliability. **4.NSO.2.3. (2.9)** Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency. **4.NSO.2.5. (2.7)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding, and place value.	**Evaluate** 2.8 Multiply Using Mental Math **LT: Use mental math and properties to multiply a multi-digit number by a 1-digit number.** **Multiply Using Mental Math Engage Explore Explain Elaborate Evaluate** 2.9 Multi-Step Multiplication Problems **LT: Use the *draw a diagram* strategy to solve multi-step problems.** **Multi-step Multiplication Problems Engage Explore Explain Elaborate Evaluate**	greater than one, with different numerators and denominators. **Preview: Balanced Equations** MA.4.AR.2.2 Determine and explain whether an equation involving any of the four operations with whole numbers is true or false.	Multiplication Problems (2.9) 2 Days Day 4 Multi-Step Multiplication Problems (2.9)	1-Digit Numbers	Step Problems, Rounding, Fraction Comparison, Elapsed Time, Geometric Figures

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Week 5 9/12-9/16 *14th half day	**4.AR.1.1. (2.11)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context. **4.NSO.2.1. (2.10, 2.11)** Recall multiplication facts with factors up to 12 and related division facts with automaticity. **4.NSO.2.2. (2.10)** Multiply two whole numbers, up to three digits by two digits, with procedural reliability. **4.NSO.2.3. (2.11)** Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency. **4.NSO.2.5. (2.10)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding, and place value.	2.10 Multiply 3-Digit and 4-Digit Numbers with Regrouping **LT: Use regrouping to multiply a multi-digit number by a 1-digit number.** **Multiply 3-digit and 4-digit numbers with regrouping Engage Explore Explain Elaborate Evaluate** 2.11 Solve Multi-Step Problems Using Equations **LT: Solve real-world multi-step problems using multiplication, addition, and subtraction.** **Multi-step Word Problems with multiplication, addition, and subtraction Engage Explain Elaborate Evaluate** Chapter 2 Review	**Review**: **Area/Perimeter** MA.GR.2.1 Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths. *Find the perimeter of rectangles **Preview**: **Decompose Fractions** MA.4.FR.2.1 Decompose a fraction, including mixed numbers and fractions greater than one, into a sum of fractions with the same denominator in multiple ways. Demonstrate each decomposition with objects, drawings and equations. *decompose proper fractions into a sum of fractions and a sum of	Day 1 Multiply 3-Digit and 4-Digit Numbers with Regrouping (2.10) Day 2 Multiply 3-Digit and 4-Digit Numbers with Regrouping (2.10) Day 3 Multistep Problems Using Equations (2.11) 2 Days Day 4 Multistep Problems Using Equations Day 5 Chapter 2 Review	Lessons Multiplying by 1-Digit Numbers Skill Boosts Multiply by 1-Digit Numbers	Week 5 - Daily Math Skills: Comparative Relational Thinking, Comparing Numbers, Decomposing Fractions, Perimeter of Rectangles and Rectilinear Shapes, Identifying Angles

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			unit fractions.			
Week 6 9/19-9/23	**4.NSO.1.4. (3.2)** Round whole numbers from 0 to 10,000 to the nearest 10, 100, or 1,000. **4.NSO.2.2 (3.3, 3.4)** Multiply two whole numbers, up to three digits by up to two digits, with procedural reliability. **4.NSO.2.5. (3.2, 3.3, 3.4)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding, and place value.	Chapter 2 Test Ch. 3 Prerequisite Vocabulary - Associative Property of Multiplication, Commutative Property of Multiplication, Estimate, Factor, Partial product, Place value, Product, Regroup, Round 3.2 Estimate Products by 2-Digit Numbers **LT: Estimate products by rounding or by using compatible numbers.** *Vocabulary - Compatible numbers **Estimate Products by 2-digit numbers Engage Explore Explain Elaborate Evaluate** 3.3 Area Models and Partial Products **LT: Use area models and partial products to multiply 2-digit numbers.** **Area Models and Partial Products Engage Explore Explain Elaborate Evaluate** 3.4 Multiply Using Partial Products **LT: Use place value and partial products to multiply.** **Multiplying Using Partial Products**	**Review: Add and Subtract Fractions** MA.4.FR.2.2 Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability. *Focus on add/subtract fractions and improper fractions **Preview: Area of Rectangles** MA.GR.2.1 Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths. *Find the area of rectangles	Day 1 Chapter 2 Test Day 2 Estimate Products by 2-Digit Numbers (3.2) Day 3 Area Models and Partial Products (3.3) 2 Days Day 4 Area Models and Partial Products (3.3) 2 Days Day 5 Multiply Using Partial Products (3.4) 2 Days	Lessons Multiplying by 1-Digit Numbers Multiplying by 2-Digit Numbers Skill Boosts Multiply by 1-Digit Numbers Multiply by 2-Digit Numbers	Week 6 - Daily Math Skills: Comparative Relational Thinking, Comparing Numbers, Decomposing Fractions, Perimeter of Rectangles and Rectilinear Shapes, Identifying Angles

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		Engage Explore Explain Elaborate Evaluate				
Week 7 9/26-9/30	**4.NSO.2.2. (3.4, 3.5, 3.6)** Multiply two whole numbers, up to 3-digits by up to 2-digits, with procedural reliability. **4.NSO.2.5 (3.4, 3.5, 3.6)** Explore the multiplication of multi-digit whole numbers using estimation, rounding and place value. **4.NSO.2.3. (3.6, 3.7)** Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency. **4.AR.1.1. (3.7)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.	3.4 Multiply Using Partial Products **LT: Use place value and partial products to multiply.** **Multiplying Using Partial Products** **Engage Explore Explain Elaborate Evaluate** 3.5 Multiply with Regrouping **LT: Use regrouping to multiply using whole numbers.** **Multiplying with Regrouping** **Engage Explore Explain Elaborate Evaluate** 3.6 Choose a Multiplication Method **LT: Choose a method to multiply 2-digit and 3-digit numbers.** **Choose a Multiplication Method** **Engage Explore Explain Elaborate Evaluate** 3.7 Multiply by 2-Digit Numbers **LT: Use the strategy *draw a diagram* to solve multi-step multiplication problems.** **Multiply by 2-digit Numbers** **Engage Explorer Explain Elaborate Evaluate**	**Review: Powers of Ten** MA.4.NSO.1.1 Express how the value of a digit in a multi-digit whole number changes if the digit moves one place to the left or right. (10 times more and *new 1/10 less*) **Preview: Types of Angles** MA.GR.1.1 Informally explore angles as an attribute of two-dimensional figures. Identify and classify angles as acute, right, obtuse, straight or reflex. *new- reflex angles*	Day 1 Multiply Using Partial Products (3.4) 2 Days Day 2 Multiply with Regrouping (3.5) 2 Days Day 3 Multiply with Regrouping (3.5) Day 4 Choose a Multiplication Method (3.6) Day 5 Multiply by 2-Digit Numbers (3.7) 2 Days	Lessons Multiplying by 2-Digit Numbers Skill Boosts Multiply by 2-Digit Numbers	Week 7- Daily Math Skills: Geometric Terms, Factors, How Many Times Greater, Adding and Subtracting Fractions, Area, Draw and Label Angles

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Week 8 10/3- 10/7	**4.AR.1.1. (3.7)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context. **4.NSO.2.3. (3.7)** Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency.	3.7 Multiply by 2-Digit Numbers **LT: Use the strategy *draw a diagram* to solve multi-step multiplication problems.** **Multiply by 2-digit Numbers Engage Explorer Explain Elaborate Evaluate** Chapter 3 Review Chapter 3 Test	**Review: Factors, Multiples and Prime/Composite Numbers** MA.4.AR.3.1 Determine factors pairs for a whole number from 0 to 144. Determine whether a whole number from 0 to 144 is prime or composite. **Preview: Line Plot** (given a frequency table, match the line plot to the data in the frequency table)- MA.4.DP.1.1 Collect and represent numerical data, including fractional values, using tables , stem-and-leaf plots or line plots.	Day 1 Multiply by 2-Digit Numbers (3.7) Day 2 Chapter 3 Review Day 3 Chapter 3 Test	Lessons Multiplying by 2-Digit Numbers Skill Boosts Multiply by 2-Digit Numbers	Week 8 - Daily Math Skills: Geometric Terms, Factors, How Many Times Greater, Adding and Subtracting Fractions, Area, Draw and Label Angles
Week 9 10/10- 10/14 *14th Last day of nine weeks	**4.AR.1.1. (7.1, 7.2)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.	7.1 Factors and Divisibility **LT: Determine whether a number is a factor of a given number.** *Vocabulary - Divisible **Factors and Divisibility Engage Explore Explain Elaborate Evaluate**	**Review: Fraction Vocabulary** - Improper fraction (fraction greater than one, mixed numbers). Convert between improper and mixed numbers	Day 1 Factors and Divisibility (7.1) 2 Days Day 2 Factors and Multiples (7.1) Day 3 Factors and Multiples (7.2) Talk	Lessons Multiples Factors Prime and Composite Numbers	Week 9 - Daily Math Skills: Area and Perimeter, Factors, Prime and

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	4.AR.3.1. (7.1, 7.2, 7.3, 7.4) Determine factor pairs for a whole number from 0 to 144. Determine whether a whole number from 0 to 144 is prime, composite, or neither. **4.NSO.2.1. (7.1, 7.2)** Recall multiplication facts with factors up to 12 and related division facts with automaticity. **4.AR.3.2. (7.4)** Generate, describe and extend a numeral pattern that follows a given rule.	7.2 Factors and Multiples **LT: Understand the relationship between factors and multiples, and determine whether a number is a multiple of a given number.** *Vocabulary - Common multiple **Factors and Multiples Engage Explore Explain Elaborate Evaluate** 7.3 Prime and Composite Numbers **LT: Determine whether a number is prime or composite.** *Vocabulary -Prime number, Composite number **Prime and Composite Numbers Engage Explore Explain Elaborate Evaluate** 7.4 Number Patterns **LT: Generate a number pattern and describe features of the pattern.** *Vocabulary -Pattern, Term **Number Patterns Engage Explore Explain Elaborate Evaluate**	MA.4.FR.1.3 Identify and generate equivalent fractions, including fractions greater than one. Describe how the numerator and denominator are affected when the equivalent fraction is created. **Preview: Analyze Line Plots using Mode, Median and Range** MA.4.DP.1.1 Collect and represent numerical data, including fractional values, using tables, stem-and-leaf plots or line plots. **(Use the same line plot for Monday- Wednesday- Monday- Mode Tuesday- Range Wednesday- Median Thursday and Friday put it all together, have new line plots each day, and find mode, median and**	about prime and composite numbers Day 4 Prime and Composite Numbers (7.3) Day 5 Number Patterns (7.4)	Patterns Skill Boosts Multiples Prime and Composite Numbers Factors Shape Patterns Number Patterns	Composite Numbers, Sums and Differences, Adding Mixed Numbers, Line Plots, Identifying Types of Lines

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			range for each plot)			

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Date	Standard	Whole Group	Small Group Review / Preview	Small Group Current Skills	Waggle	Daily Math
Week 10 Teacher Planning on 10/17 10/18-10/21	**4.NSO.2.4 (4.1,4.2, 4.3, 4.4, 4.5)** Divide a whole number up to 4-digits by a 1-digit whole number with reliability. Represent remainders as fractional parts of the divisor **4.NSO.2.5 (4.1,4.2, 4.4, 4.5)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding and place value. **4.AR.1.1 (4.1,4.2)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context.	Chapter 7 Review Chapter 7 Test Ch. 4 Prerequisite Vocabulary - Distributive Property, Divide, Dividend, Division, Divisor, Factor, Multiple, Multiplication, Product, Quotient 4.1 Investigate Remainders - Part 1 **LT: Use models to divide whole numbers that do not divide evenly.** *Vocabulary - Remainder **Investigate Remainders Engage Explore Explain Elaborate Evaluate (Lesson 4.1, not 4.2)** 4.2 Interpret Remainders - Part 2 **LT: Use remainders to solve division problems.** **Interpret Remainders Engage Explore Explain**	**Review: Additive/Decompose Angles** MA.4.GR.1.2 Estimate angle measure. Using a protractor, measure angles in whole-number degrees. Demonstrate that angle measure is additive. **Preview: Stem and Leaf Plot** (given a frequency table, match the stem and leaf plot to the data in the frequency table)- MA.4.DP.1.1 Collect and represent numerical data, including fractional values, using tables , stem-and-leaf plots or line plots.	Day 1 Chapter 7 Review Day 2 Chapter 7 Test Day 3 Investigate Remainders (4.1) Day 4 Interpret Remainders (4.2) 2 Days	Lessons Dividing by 1-Digit Numbers Boosters Divide by 1-Digit Numbers	Week 10 - Daily Math Skills: Area and Perimeter , Factors, Prime and Composite Numbers, Sums and Differences, Adding Mixed Numbers, Line Plots, Identifying Types of Lines

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		Elaborate Evaluate				
Week 11 10/24- 10/28	**4.NSO.2.4 (4.1, 4.2, 4.3, 4.4, 4.5)** Divide a whole number up to 4-digits by a 1-digit whole number with reliability. Represent remainders as fractional parts of the divisor **4.NSO.2.5 (4.1, 4.2, 4.4, 4.5)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding and place value. **4.AR.1.1 (4.1, 4.2)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context. **4.NSO.2.1 (4.3, 4.5)** Recall multiplication facts	4.2 Interpret Remainders **LT: Use remainders to solve division problems.** **Interpret Remainders Engage Explore Explain Elaborate Evaluate** 4.3 Divide Tens, Hundreds and Thousands **LT: Divide tens, hundreds, and thousands by whole numbers to 10.** **Divide tens, hundreds and thousands Engage Explore Explain Elaborate Evaluate** 4.4 Estimate Quotients Using Compatible Numbers **LT: Use compatible numbers to estimate quotients.** *Vocabulary - Compatible numbers **Estimate Quotients Using Compatible Numbers Engage Explore Explain Elaborate Evaluate** 4.5 Division and the Distributive Property	**Review: Decimal Place Value** MA.4.FR.1.2 Use decimal notation to represent fractions with denominators of 10 or 100, including mixed numbers and fractions greater than 1, and use fractional notation with denominators of 10 or 100 to represent decimals. ***Focus strictly on place value** **Preview: Stem and Leaf Plots with Mode, Median, and Range** MA.4.DP.1.1 Collect and represent numerical data, including fractional values, using tables, stem-and-leaf plots or line plots. **(Use the same line plot for Monday-Wednesday-Monday- Mode** **Tuesday- Range** **Wednesday- Median**	Day 1 Interpret Remainders (4.2) Day 2 Divide Tens, Hundreds, and Thousands (4.3) Day 3 Estimate Quotients Using Compatible Numbers (4.4) Day 4 Division and the Distributive Property (4.5) Day 5 Chapter 4 Review	Lessons Dividing by 1-Digit Numbers Boosters Divide by 1-Digit Numbers	Week 11 - Daily Math Skills: Fractions Greater Than One, Multiples, Multiplication using Area Model, Converting Improper Fractions to Mixed Numbers and vice versa, Additive Angles, Geometric Planes

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	with factors up to 12 and related division facts with automaticity.	**LT: Use the Distributive Property to find quotients.** **Use the Distributive Property to find the quotients Engage Explore Explain Elaborate Evaluate** Chapter 4 Review	**Thursday and Friday put it all together, have new line plots each day, and find mode, median and range for each plot**			
Week 12 10/31-11/4	**4.NSO.2.4 (5.1, 5.2, 5.3, 5.4)** Divide a whole number up to 4-digits by a 1-digit whole number with reliability. Represent remainders as fractional parts of the divisor **4.NSO.2.5 (5.1, 5.2, 5.3)** Explore the multiplication and division of multi-digit whole numbers using estimation, rounding and place value. **4.AR.1.1. (5.1, 5.2)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be	5.1 Divide Using Repeated Subtraction **LT: Use repeated subtraction and multiples to find quotients.** **Divide using repeated subtraction Engage Explore Explain Elaborate Evaluate** 5.2 Divide Using Partial Quotients *Vocabulary -Partial quotient **LT: Use partial quotients to divide.** **Divide using partial quotients Engage Explore Explain Elaborate Evaluate** 5.3 Model Division with Regrouping **LT: Use base-ten blocks to model division with regrouping.** **Model Division by**	**Review: Add/Subtract Mixed Numbers**- MA.4.FR.2.2 Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability. **Preview**: **Measuring Angles using a Protractor** MA.4.GR.1.1 Estimate angle measures. Using a protractor, measure angles in whole-number degrees and draw angles of specified measure in whole number degrees. Demonstrate that angle measure is additive.	Day 1 Divide Using Repeated Subtraction (5.1) Day 2 Divide Using Partial Quotients (5.2) Day 3 Model Division with Regrouping (5.3) 2 Days Day 4 Model Division with Regrouping (5.3) 2 Days Day 5 Place the First Digit (5.4)	Lessons Dividing by 1-Digit Numbers Boosters Divide by 1-Digit Numbers	Week 12 - Daily Math Skills: Fractions Greater Than One, Multiples, Multiplication using Area Model, Converting Improper Fractions to Mixed Numbers and vice versa, Additive Angles,

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	interpreted within the context. **4.AR.1.2. (5.1)** Solve real-world problems involving addition and subtraction of fractions with like denominators, including mixed numbers and fractions greater than 1. **4.NSO.2.1. (5.4, 5.5)** Recall multiplication facts with factors up to 12 and related division facts with automaticity.	**Regrouping Engage Explore Explain Elaborate Evaluate** 5.4 Place the First Digit **LT: Use place value to determine where to place the first digit of a quotient.** **Determine where to place the 1st digit of a quotient Engage Explore Explain Elaborate Evaluate**				Geometric Planes
Week 13 11/11- No School 11/7-11/10	**4.NSO.2.4 (5.5, 5.6)** Divide a whole number up to 4-digits by a 1-digit whole number with reliability. Represent remainders as fractional parts of the divisor **4.NSO.2.1. (5.5)** Recall multiplication facts with factors up to 12 and related division facts with	5.5 Divide by 1-Digit Numbers **LT: Divide multi-digit numbers by 1-digit divisors.** **Divide by 1-digit Numbers Engage Explore Explain Elaborate Evaluate** 5.6 Multi-Step Division Problems **LT: Solve multi-step division problems by using the**	**Review: Number Patterns** MA.4.AR.3.2 Generate, describe and extend a numerical pattern that follows a given rule. **Preview: Multiply Fractions by a Whole Number** MA.4.FR.2.4	Day 1 Divide by 1-Digit Numbers (5.5) 2 Days Day 2 Divide by 1-Digit Numbers (5.5) Day 3 Multistep Division Problems (5.6) 2 Days	Lessons Dividing by 1-Digit Numbers Multiple Step Word Problems with Remainders	Week 13 - Daily Math Skills: Place Value and Value of the Underlined Digit, Number

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	automaticity. **4.AR.1.1. (5.6)** Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be interpreted within the context. **4.NSO.2.3. (5.6)** Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency.	**strategy *draw a diagram*.** **Multi-step Division Numbers Engage Explore Explain Elaborate Evaluate**	Extend previous understanding of multiplication to explore the multiplication of a fraction by a whole number or a whole number by a fraction.	Day 4 Multistep Division Problems (5.6)	Boosters Divide by 1-Digit Numbers Solve Multistep Word Problems with Remainders	Patterns, Multiplying with Zeros, Multiplying Whole Numbers with Fractions, Fractional Degrees of a Circle
Week 14 11/14-11/18	**MA.4.GR.2.1 (6.1, 6.2**) Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths. **MA.4.GR.2.2 (6.3**) Solve problems involving	Chapter 5 Review Chapter 4 Test Chapter 5 Test Ch. 6 Prerequisite Vocabulary - Centimeter, Foot, Inch, Kilometer, Meter, Mile, Yard 6.1 Apply the Perimeter	**Review: Comparing Fractions**- MA.4.FR.1.4 Plot, order and compare fractions, including mixed numbers and fractions greater than one, with different numerators and different denominators. **Preview: Fractional Parts of a Circle** (See Daily Math	Day 1 Chapter 5 Review Day 2 Chapter 4 and 5 Test Day 3 Apply the Perimeter Formula (6.1)	Lessons Perimeter and Area of Rectangles Boosters Perimeter of Rectangle	Week 14 - Daily Math Skills: Place Value and Value of the Underlined Digit,

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	rectangles with the same perimeter and different areas or with the same area and different perimeters.	Formula **LT: Use a formula to find the perimeter of a rectangle.** *Vocab -formula, perimeter **Apply the Perimeter Formula Engage Explore Explain Elaborate Evaluate** 6.2 Apply the Area Formula **LT: Use a formula to find the area of a rectangle.** *Vocab -area, base (b), height (h), square unit **Apply the Area Formula Engage Explore Explain Elaborate Evaluate** 6.3 Same Perimeter, Different Areas **LT: Compare areas of rectangles that have the same perimeter.** **Same Perimeter, Different Area Engage Explore Explain Elaborate Evaluate**	Week 14 Problem 5 as example)- MA.4.GR.1.2 Solve real-world and mathematical problems involving unknown whole-number angle measures. Write and equation to represent the unknown.	Day 4 Apply the Area Formula (6.2) Day 5 Same Perimeter, Different Areas (6.3)	s Area of Rectangles	Number Patterns, Multiplying with Zeros, Multiplying Whole Numbers with Fractions, Fractional Degrees of a Circle
Week 15 11/28-12/2	**MA.4.GR.2.2 (6.4, 6.5)** Solve problems involving rectangles with the same perimeter and different areas or with the same area and different	6.4 Same Area, Different Perimeters **LT: Compare perimeters of rectangles that have the same area.** **Same Area, Different**	**Review: Classifying Shapes** MA.4.G.1.1 Informally explore angles as an attribute of two-dimensional figures.	Day 1 Same Area, Different Perimeters (6.4) Day 2 Find Unknown Measures (6.5)	Lessons Perimeter and Area of Rectangles	Week 15 - Daily Math Skills: Fractions

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	perimeters. **MA.4.GR.2.1 (6.6)** Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths.	**Perimeter Engage Explore Explain Elaborate Evaluate** 6.5 Find Unknown Measures **LT: Given perimeter or area, find the unknown measure of a side of a rectangle.** **Find Unknown Measures Engage Explore Explain Elaborate Evaluate** 6.6 Find the Area **LT: Use the strategy *solve a simpler problem* to solve area problems.** **Find the Area Engage Explore Explain Elaborate Evaluate** Chapter 6 Review Chapter 6 Test	Identify and classify angles as acute, right obtuse, straight or reflex. **Preview: Convert Fractions (tenths and hundredths) to Decimals** MA.4.FR.1.2 Use decimal notation to represent fractions with denominators of 10 or 100, including mixed numbers and fractions greater than 1, and use fractional notation with denominators of 10 or 100 to represent decimals.	Day 3 Find the Area (6.6) Day 4 Chapter 6 Review Day 5 Chapter 6 Test	Boosters Perimeter of Rectangles Area of Rectangles	and Decimals, Writing Equations with Variables, Division, Multiplying a Whole Number by a Fraction, Identifying Angles and Degrees, Classifying Triangles by their Sides and Angles
Week 16 12/5-12/9	**4.FR.1.3 (8.1, 8.2, 8.3, 8.4)** Identify and generate equivalent fractions, including fractions greater than one. Describe how the numerator and denominator are affected when the equivalent	8.1 Equivalent Fractions **LT: Use models to show equivalent fractions.** *Vocabulary - Equivalent fractions **Equivalent Fractions Engage Explore Explain Elaborate Evaluate**	**Review: Multiplicative Comparison Statements-** MA.4.AR.1.1 Solve real-world problems involving multiplication and division of whole numbers including problems in which remainders must be	Day 1 Equivalent Fractions (8.1) Day 2 Generate Equivalent Fractions (8.2) Day 3 Use Division to Generate Equivalent	Lessons Generating Equivalent Fractions Boosters Extend	Week 16 - Daily Math Skills: Fractions and Decimals, Writing

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	fraction is created. **4.FR.1.1 (8.1, 8.2)** Model and express a fraction, including mixed numbers and fractions greater than one, with the denominator 10 as an equivalent fraction with the denominator 100. **4.FR.2.1 (8.5, 8.6)** Decompose a fraction, including mixed numbers and fractions greater than one, into a sum of fractions with the same denominator in multiple ways. Demonstrate each decomposition with objects, drawings and equations. **4.FR.2.2 (8.5, 8.6)** Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with reliability.	8.2 Generate Equivalent Fractions **LT: Use multiplication to generate equivalent fractions.** **Generate Equivalent Fractions Engage Explore Explain Elaborate Evaluate** 8.3 Simplify to Generate Equivalent Fractions **LT: Write and identify equivalent fractions in simplest forms.** **Simplify Fractions Engage Explore Explain Elaborate Evaluate** 8.4 Find Equivalent Fractions **LT: Solve real-world problems by finding equivalent fractions.** **Find Equivalent Fractions Engage Explore Explain Elaborate Evaluate** 8.5 Write Fractions as Sums **LT: Decompose a fraction by writing it as a sum of fractions with the same denominators.** *Vocabulary - Unit fraction	interpreted within the context. **Preview: Classify Triangles by their Angles-** MA.4.GR.1.1 Informally explore angles as an attribute of two-dimensional figures. Identify and classify angles as acute, right, obtuse, straight or reflex.	Fractions (8.3) 2 Days Day 4 Use Division to Generate Equivalent Fractions (8.3) 2 Days Day 5 Find Equivalent Fractions (8.4)	Understanding of Equivalent Fractions Equivalent Fractions	Equations with Variables, Division, Multiplying a Whole Number by a Fraction, Identifying Angles and Degrees, Classifying Triangles by their Sides and Angles

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		Write Fractions as Sums Engage Explore Explain Elaborate Evaluate				
Week 17 12/12-12/16	**4.FR.2.1 (8.5, 8.6)** Decompose a fraction, including mixed numbers and fractions greater than one, into a sum of fractions with the same denominator in multiple ways. Demonstrate each decomposition with objects, drawings and equations. **4.FR.2.2 (8.5, 8.6)** Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with reliability.	8.6 Rename Fractions and Mixed Numbers **LT: Write fractions greater than 1 as mixed numbers and write mixed numbers as fractions greater than 1.** *Vocabulary - Mixed number **Rename Fractions and Mixed Numbers Engage Explore Explain Elaborate Evaluate** Chapter 8 Review Chapter 8 Test	**Review: Division** MA.4.NSO.2.4 Divide a whole number up to four digits by a one digit whole number with procedural reliability. Represent remainders as fractional parts of the divisor. **Preview: Classify Triangles by types of angles** MA.4.GR.1.1 Informally explore angles as an attribute of two-dimensional figures. Identify and classify angles as acute, right, obtuse.	Day 1 Write Fractions as Sums (8.5) Day 2 Rename Fractions and Mixed Numbers (8.6) 2 Days Day 3 Rename Fractions and Mixed Numbers (8.6) Day 4 Chapter 8 Review Day 5 Chapter 8 Test	Skills Boosters	Week 17 - Daily Math Skills: Naming Fractions and Decimals Greater than One, Writing Equations with Variables, Multiplying by 1-Digit Numbers, Multiplying Whole Numbers by Mixed Numbers, Additive Angles, Naming Quadrilat

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Week 18 12/19- 12/23- End of grading period	**MA.4.FR.1.4 (9.1, 9.2, 9.3)** Plot, order and compare fractions, including mixed numbers and fractions greater than one, with different numerators and different denominators.	9.1 Compare Fractions Using Benchmarks **LT: Compare fractions using benchmarks.** *Vocabulary - Benchmark **Comparing Fractions Using Benchmarks Engage Explore Explain Elaborate Evaluate** 9.2 Compare Fractions **LT: Compare fractions by first writing them as fractions with a common numerator or a common denominator.** **Compare Fractions Engage Explore Explain Elaborate Evaluate** 9.3 Compare and Order Fractions **LT: Compare and order fractions.** **Compare and Order Fractions Engage Explore Explain Elaborate Evaluate** Chapter 9 Review Chapter 9 Test	**Review: Multiplication**- MA.4.NSO2.2 and MA.4.NSO2.3 Multiply two whole numbers, up to three digits by up to two digits, with procedural fluency. Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency. **Preview**: **Adding Tenths and Hundredths-** MA.4.FR.2.3 Explore the addition of a fraction with denominator of 10 to a fraction with a denominator of 100 using equivalent fractions.	Day 1 Compare Fractions Using Benchmarks (9.1) Day 2 Compare Fractions (9.2) Day 3 Compare and Order Fractions (9.3) Day 4 Chapter 9 Review Day 5 Chapter 9 Test	Lessons Comparing Fractions Boosters Compare Fractions	Week 18 - Daily Math Skills: Naming Fractions and Decimals Greater than One, Writing Equations with Variables, Multiplying by 1-Digit Numbers, Multiplying Whole Numbers by Mixed Numbers, Additive Angles, Naming Quadrilaterals

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Date	Standard	Whole Group	Small Group		Waggle	Daily Math
			Review/Preview	Current Skills		
Week 19 Teacher Planning on 1/9 1/10-1/13	**MA.4.FR.2.2 (10.1, 10.2, 10.3, 10.4)** Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability. **MA.4.AR.1.2. (10.1, 10.2, 10.3, 10.4)** Solve real-world problems involving addition and subtraction of fractions with like denominators, including mixed numbers and fractions greater than 1.	Ch. 10 (No new vocabulary) 10.1 Add and Subtract Parts of a Whole **LT: Understand that to add or subtract fractions they must refer to parts of the same whole.** Add and subtract parts of a whole Engage Explore Explain Elaborate Evaluate 10.2 Add Fractions Using Models **LT: Use models to represent and find sums involving fractions.** Adding fractions using models Engage Explore Explain Elaborate Evaluate 10.3 Subtract Fractions Using Models **LT: Use models to represent and find differences involving fractions.** Subtract fractions using models Engage Explore Explain Elaborate Evaluate 10.4 Use Benchmarks to	**Review: Measurement**- MA.4.M.1.2 Convert within a single system of measurement using the units: yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hours, minutes, seconds. **Preview: Measurement** MA.4.M.1.1 Measure the length of objects and solve problems involving measurement linear measurement (on a ruler) to the nearest ⅛ and 1/16 temperature	Day 1 Add and Subtract Parts of a Whole (10.1) Day 2 Add Fractions Using Models (10.2) Day 3 Subtract Fractions Using Models (10.3) Day 4 Use Benchmarks to Determine Reasonableness (10.4)	Lessons Understanding Addition of Fractions Understanding Subtraction of Fractions Boosters Understand Subtraction of Fractions Understand Addition of Fractions Fractions as Sum	Week 19 - Daily Math Create an equivalent fraction with a denominator of 10 or 100, Select equivalent fraction models, Multiplication comparisons, Finding units of measure, Multiplication comparison models, Place

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		Determine Reasonableness **LT: Use benchmarks to estimate and to assess the reasonableness of the calculations.** **Using benchmarks to estimate reasonableness Engage Explore Explain Elaborate Evaluate**			of Fractions Subtract Fractions with Like Denominators Add Fractions with Like Denominators	value vs value of a number
Week 20 Holiday No School on the 16th 1/17-1/20	**MA.4.FR.2.2 (10.5, 10.6, 10.7)** Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability. **MA.4.AR.1.2. (10.5, 10.6, 10.7)** Solve real-world problems involving addition and subtraction of fractions with like denominators, including mixed numbers and fractions greater than 1.	10.5 Add and Subtract Fractions **LT: Solve word problems involving addition and subtraction with fractions.** **Solve word problems involving addition and subtraction with factions Engage Explore Explain Elaborate Evaluate** 10.6 Add and Subtract Mixed Numbers **LT: Add and subtract mixed numbers.** **Add and subtract mixed numbers Engage Explore Explain Elaborate Evaluate**	**Review: Simplest Form**-MA.4.FR.1.3 Identify and generate equivalent fractions, including fractions greater than 1. Describe how the numerator and denominator are affected when the equivalent fraction is created. **Preview: Elapsed Time** MA.4.M.2.1 Solve two-step and real-world problems involving distances and intervals of time using any combination of the four operations.	Day 1 Add and Subtract Fractions (10.5) Day 2 Add and Subtract Mixed Numbers (10.6) 2 Days Day 3 Add and Subtract Mixed Numbers (10.6) Day 4 Use Properties of Addition (10.7)	Lessons Solving Problems with Fractions with Like Denominators Boosters Solve Problems by Subtracting Fractions Solve	Week 20 - Daily Math Equivalent fractions with 10 & 100, Comparing fractions, Completing a unit of measurement table, Line of symmetry

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		10.7 Use Properties of Addition **LT: Use the properties of addition to add fractions.** **Use properties of addition** **Engage Explore Explain Elaborate Evaluate**			Problems by Adding Fractions	, How many times greater Place Value
Week 21 1/23-1/27	**MA.4.AR.1.3 (11.4)** Solve real-world problems involving multiplication of a fraction by a whole number or a whole number by a fraction. **MA.4.FR.2.4 (11.1, 11.2, 11.3)** Extend previous understanding of multiplication to explore the multiplication of a fraction by a whole number or a whole number by a fraction.	Chapter 10 Review Chapter 10 Test Ch. 11 Prerequisite Vocabulary - Fraction, Mixed number, Multiple, Product, Unit fraction 11.1 Multiples of Unit Fractions **LT: Write a fraction as a product of a whole number and a unit fraction.** **Multiples of unit fractions** **Engage Explore Explain Elaborate Evaluate** 11.2 Multiples of Fractions **LT: Write a product of a whole number and a fraction as a product of a whole number and a unit fraction.** **Multiples of fractions** **Engage Explore Explain Elaborate Evaluate**	**Review: Place Value/Value** MA.4.NSO.1.1 Express how the value of a digit in a multi-digit whole number changes if the digit moves one place to the left or right. (*focus on 10 times more and 1/10 less and 100 times more and 1/100 less) **Preview**: **Balanced Equations** MA.4.AR.2.1 and MA.4.AR.2.2 2.1-Determine and explain whether an equation involving any of the four operations with whole numbers is true or false. 2.2-Given a mathematical or real-world context, write and equation involving multiplication or division to	Day 1 Chapter 10 Review Day 2 Chapter 10 Test Day 3 Multiples of Unit Fractions (11.1) Day 4 Multiples of Fractions (11.2) Day 5 Multiply a Fraction by a Whole Number (11.3)	Lessons Multiples of Unit Fractions Multiplying Fractions by Whole Numbers Boosters Fractions as Multiples of Unit Fractions Multiply Fractions by Whole Numbers	Week 21 - Daily Math Adding fractions with denominators of 10 & 100, Simplifying fractions, Comparative Relational Thinking, Expanded word & standard form, Line of symmetry, Elapsed time

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		11.3 Multiply a Fraction by a Whole Number Using Models **LT: Use a model to multiply a fraction by a whole number.** **Multiply a fractions by a whole number using models Engage Explore Explain Elaborate Evaluate**	determine the unknown whole number with the unknown in any position.			
Week 22 1/30-2/3	**MA.4.AR.1.3 (11.4, 11.5, 11.6)** Solve real-world problems involving multiplication of a fraction by a whole number or a whole number by a fraction. **MA.4.FR.2.4 (11.4, 11.5, 11.6)** Extend previous understanding of multiplication to explore the multiplication of a fraction by a whole number or a whole number by a fraction.	11.4 Find Part of a Group **LT: Model to find the fractional part of a group.** **Find part of a group Engage Explore Explain Elaborate Evaluate** 11.5 Multiply Fractions and Whole Numbers **LT: Model the product of a fraction and a whole number.** **Multiply fractions and whole numbers Engage Explore Explain Elaborate Evaluate** 11.6 Fraction and Whole-Number Multiplication **LT: Multiply fractions and whole numbers.** **Fraction and whole number multiplication Engage Explore Explain Elaborate Evaluate**	**Review: Factors, Multiples and Prime/Composite Numbers**-MA.4.AR.3.1 Determine factor pairs for a whole number from 0 to 144. Determine whether a whole number from 0 to 144 is prime, composite, or neither. **Preview: Perimeter with a Missing Side**-MA.4.GR.2.1 Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths.	Day 1 Find Part of a Group (11.4) Day 2 Multiply Fractions and Whole Numbers (11.5) Day 3 Fraction and Whole Number Multiplication (11.6) Day 4 Chapter 11 Review Day 5 Chapter 11 Test	Lessons Solve Problems by Multiplying a Fraction by a Whole Number Boosters	Week 22 - Daily Math Adding fractions with 10 & 100, Simplifying fractions, Comparative Relational Thinking, Line of symmetry, Elapsed time, Word, standard, expanded forms of

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		Chapter 11 Review Chapter 11 Test				numbers
Week 23 2/6-2/10	**MA.4.FR.1.2 (12.1, 12.2, 12.3, 12.5)** Use decimal notation to represent fractions with denominators of 10 or 100, including mixed numbers and fractions greater than 1, and use fractional notation with denominators of 10 or 100 to represent decimals. **MA.4.FR.1.1 (12.4**) Model and express a fraction, including mixed numbers and fractions greater than one, with the denominator 10 as an equivalent fraction with the denominator 100. **MA.4.NSO.2.6 (12.2, 12.3, 12.5)** Identify the number that is one-tenth more, one-tenth less, one-hundredth more, and one-hundredth less than a given number	12.1 Model Tenths and Hundredths **LT: Model tenths and hundredths.** *Vocabulary - Decimal, Decimal point, Tenth, Hundredth 12.2 Relate Tenths and Decimals **LT: Record tenths as fractions and as decimals.** *Vocabulary - Tenth 12.3 Relate Hundredths and Decimals *Vocabulary - Hundredth **LT: Record hundredths as fractions and as decimals.** 12.4 Equivalent Fractions and Decimals *Vocabulary - Equivalent decimals **LT: Record tenths and hundredths as fractions and decimals.** 12.5 Relate Fractions, Decimals, and Money **LT: Translate among**	**Review: Ordering Decimals** MA.4.NSO.1.5 Plot, order and compare decimals up to the hundredths. **Preview: Area with a Missing Side** MA.4.GR.2.1 Solve perimeter and area mathematical and real-world problems, including problems with unknown sides, for rectangles with whole-number side lengths.	Day 1 Model Tenths and Hundredths (12.1) Day 2 Relate Tenths and Decimals (12.2) Day 3 Relate Hundredths and Decimals (12.3) Day 4 Equivalent Fractions and Decimals (12.4) Day 5 Relate Fractions, Decimals, and Money (12.5)	Lessons Comparing Decimals to Hundredths Renaming Fractions as Decimals Boosters Equivalent Fractions with Denominators of 10 and 100 Compare Decimals to Tenths Compare	Week 23 - Daily Math Fractions & mixed numbers as decimals, Decomposing fractions & mixed numbers, Factors, Rounding numbers, Naming geometric figures

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		representations of fractions, decimals, and money.			Decimals to Hundredths Rename Fractions as Decimals	
Week 24 2/13- 2/17	**MA.4.FR.1.1 (12.6**) Model and express a fraction, including mixed numbers and fractions greater than one, with the denominator 10 as an equivalent fraction with the denominator 100. **MA.4.FR.2.3 (12.6)** Explore the addition of a fraction with denominator of 10 to a fraction with denominator of 100 using equivalent fractions. **MA.4.NSO.1.5 (12.7, 12.8)** Plot, order, and compare decimals up to the hundredths.	12.6 Add Fractional Parts of 10 and 100 **LT: Add fractions when the denominators are 10 or 100.** 12.7 Compare Decimals **LT: Compare decimals to hundredths by reasoning about their size.** 12.8 Order Decimals **LT: Order decimals using benchmarks.** Chapter 12 Review Chapter 12 Test	**Review: Add/Subtract Mixed Numbers** MA.4.FR.2.2 Add and subtract fractions with like denominators, including mixed numbers and fractions greater than 1, with procedural reliabillity. **Preview: Fractional Parts of a Circle** MA.4.GR.1.3 Solve real-world and mathematical problems involving unknown whole-number angle measures. Write an equation to represent the unknown.	Day 1 Add Fractional Parts of 10 and 100 (12.6) Day 2 Compare Decimals (12.7) Day 3 Order Decimals (12.8) Day 4 Chapter 12 Review Day 5 Chapter 12 Test	Lessons Adding Equivalent Fractions Boosters Add Fractions with Denominators of 10 and 100	Week 24 - Daily Math Mixed numbers as decimals, Selecting equations for fractions & mixed numbers, Factor pairs, Finding missing Length with given perimeter,

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						Rounding, Classifying angles
Week 25 Holiday-No school on the 20th 2/21-2/24	**MA.4.NSO.2.7 (13.1, 13.2, 13.3, 13.4)** Explore the addition and subtraction of multi-digit numbers with decimals to the hundredths. **MA.4.NSO.2.6 (13.3, 13.4)** Identify the number that is one-tenth more, one-tenth less, one-hundredth more and one-hundredth less than a given number.	Ch. 13 Prerequisite Vocabulary - Decimal point, Hundredths, Tens, Tenths, Ones, Place value 13.1 Decimal Addition **LT: Model decimal addition using base-ten blocks.** 13.2 Decimal Subtraction **LT: Model decimal subtraction using base-ten blocks.** 13.3 Add Decimals **LT: Solve real-world decimal problems using addition.** 13.4 Subtract Decimals **LT: Solve real-world decimal problems using subtraction.**	**Review**: **Powers of Ten (Decimals)** MA.4.NSO.2.6 Identify the number that is one-tenth more, one-tenth less, one-hundredth more and one hundredth less than a given number. **Preview: Analyze Line Plots using Mode, Median and Range** MA.4.DP.1.2 Determine the mode, median or range to interpret numerical data including fractional values, represented with tables, stem-and-leaf plots or line plots **(each day use a different line plot and find the mode, median and range)**	Day 1 Decimal Addition (13.1) Day 2 Decimal Subtraction (13.2) Day 3 Add Decimals (13.3) Day 4 Subtract Decimals (13.4)	Lessons Boosters	Week 25 - Daily Math Plotting fractions & decimals; Multiples; Finding a missing length given the area; ; Add & subtract fractions and mixed numbers; Comparing whole numbers; Classifying quadrilateral by their lines
Week 26		13.5 Add and Subtract	**Review: Decomposing**	Day 1 Add and Subtract	Lessons	Week 26 -

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2/27-3/3		Money *Vocabulary - Balance, Deposit, Withdrawal **LT: Solve real-world money problems using addition and subtraction.** 13.6 Solve Multi-Step Money Problems **LT: Solve multi-step real-world money problems.** Chapter 13 Review Chapter 13 Test	**Mixed Numbers** MA.4.FR.2.1 Decompose a fraction, including mixed numbers and fractions greater than one, into a sum of fractions with the same denominator in multiple ways. Demonstrate each decomposition with objects, drawings and equations. **Preview: Analyze Stem-and-Leaf Plots using Mode, Median and Range** MA.4.DP.1.2 Determine the mode, median or range to interpret numerical data including fractional values, represented with tables, stem-and-leaf plots or line plots **(each day use a different stem-and-leaf plot and find the mode, median and range)**	Money (13.5) Day 2 Solve Multi-Step Money Problems (13.6) 2 Days Day 3 Solve Multi-Step Money Problems (13.6) Day 4 Chapter 13 Review Day 5 Chapter 13 Test	Boosters	Daily Math Plotting & comparing decimals, Add & subtract fractions & mixed numbers, Multiples; Classify quadrilaterals by their lines & angles, Comparing whole numbers, Finding area given length
Week 27 3/6-3/10	**MA.4.GR.1.1 (14.1, 14.2)** Informally explore angles as an attribute of two-	14.1 Explore Angles **LT: Identify, draw, and classify angles.**	**Review: Compare Decimals** MA.4.NSO.1.5	Day 1 Explore Angles (14.1)	Lessons Types of Figures	Week 27 - Daily Math

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	dimensional figures. Identify and classify angles as acute, right, obtuse, straight, or reflex. **MA.4.GR.1.2 (14.2, 14.3, 14.4)** Estimate angle measures. Using a protractor, measure angles in whole-number degrees and draw angles of specified measure in whole-number degrees. Demonstrate that angle measure is additive. **MA.4.GR.1.3 (14.4)** Solve real-world and mathematical problems involving unknown whole number angle measures. Write an equation to represent the unknown.	*Vocabulary - Right angle, Straight angle, Acute angle, Obtuse angle, Reflex angle 14.2 Degrees **LT: Relate degrees to fractional parts of a circle by understanding that an angle that measures n^{o} turns through n/360 of a circle.** *Vocabulary - Degrees 14.3 Measure and Draw Angles **LT: Use a protractor to measure an angle and draw an angle with a given measure.** *Vocabulary - Protractor 14.4 Join and Separate Angles **LT: Determine the measure of an angle separated into parts.**	Plot, order and compare decimals up to the hundredths. **Preview: Types of Triangles** MA.4.G.1.1 Informally explore angles as an attribute of two-dimensional figures. Identify and classify angles as acute, right, obtuse, straight and reflex.	Day 2 Degrees (14.2) Day 3 Measure and Draw Angles (14.3) 2 Days Day 4 Measure and Draw Angles (14.3) 2 Days Day 5 Join and Separate Angles (14.4)	<u>Boosters</u> Identify Parts of Two-Dimensional Figures Types of Angles	Comparing decimals & fractions, Prime vs composite, Finding the missing angle & additive angles
Week 28 3/13-3/16 Teacher Planning on the 17th	**MA.4.GR.1.3 (14.5)** Solve real-world and mathematical problems involving unknown whole number angle measures. Write an equation to represent the unknown. **MA.4.M.1.1 (15.1)** Select and use appropriate tools to measure attributes of objects.	14.5 Unknown Angle Measures **LT: Use the strategy *draw a diagram* to solve angle measurement problems.** Chapter 14 Review Chapter 14 Test 15.1 Measurement	**Review: Comparing Fractions** MA.4.FR.1.4 Plot, order and compare fractions, including mixed numbers and fractions greater than one, with different numerators and different denominators.	Day 1 Unknown Angle Measures (14.5) Day 2 Chapter 14 Review Day 3 Chapter 14 Test Day 4 Benchmark Measurements (15.1)		Week 28 - Daily Math Comparing decimals & fractions, Prime vs

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		Benchmarks **LT: Use benchmarks to understand the relative sizes of measurement units.** *Vocabulary - Mile, Kilometer	**Preview**: **Division** MA.4.NS.2.4 Divide a whole number up to four digits by a one-digit whole number with procedural reliability. Represent remainders as fractional parts of the divisor.			composite, Finding the missing angle & additive angles

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Date	Standard	Whole Group	Small Group Review/ Preview	Small Group Current Skills	Waggle	Daily Math
Week 29 3/27-3/31	**MA.4.M.1.2 (15.2, 15.3, 15.4, 15.5)** Convert within a single system of measurement using the units: yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hours, minutes, seconds.	15.2 Customary Units of Length **LT: Use models to compare customary units of length.** 15.3 Customary Units of Weight **LT: Use models to compare customary units of weight.** *Vocab - ounces, pound, ton 15.4 Customary Units of Liquid Volume **LT: Use models to compare customary units of liquid volume.** *Vocab - liquid volume, gallons, half gallons, quarts, pints, cups, fluid ounces 15.5 Mixed Measures **LT: Solve problems involving mixed measures.**	**Review: Additive Angles (Missing Angles)** MA.4.GR.1.3 Solve real-world and mathematical problems involving unknown whole-number angle measures. Write an equation to represent the unknown. **Preview: Adding Subtracting Decimals.** Two-step word problems including money.	Day 1 Customary Units of Length (15.2) Day 2 Customary Units of Weight (15.3) Day 3 Customary Units of Liquid Volume (15.4) Day 4 Mixed Measures (15.5) 2 Days Day 5 Mixed Measures (15.5)	Lessons Units of Measure Converting From Larger to Smaller Units Boosters Converting From Larger to Smaller Units Units of Measure	Week 29 - Daily Math Equivalent fractions with denominators of 100, Converting fractions to decimals, Multiply whole number with fractions, Number patterns, Add, subtract, multiply & divide whole numbers, Using a protractor, Classify quadrilatera

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Week 30 4/3-4/7	**MA.4.M.1.2 (15.6, 15.7)** Convert within a single system of measurement using the units: yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hours, minutes, seconds. **MA.4.M.1.1 (16.1)** Select and use appropriate tools to measure attributes of objects.	15.6 Metric Units of Length **LT: Use models to compare metric units of length.** *Vocabulary - Decimeters, Millimeters 15.7 Metric Units of Mass and Liquid Volume **LT: Compare metric units of mass and liquid volume.** *Vocabulary - Milliliters Chapter 15 Review Chapter 15 Test Ch. 16 Prerequisite Vocabulary - Elapsed time, Day, Hour, Minute, Week 16.1 Temperature **LT: Estimate and measure temperature in degrees Fahrenheit and degrees Celsius.**	**Review: Classifying Quadrilaterals** MA.4.GR.1.1 Informally explore angles as an attribute of two dimensional figures. Identify and classify angles as acute, right, obtuse, straight and reflex. **Preview: Adding Subtracting Decimals.** MA.4.M.2.2 Solve one-and two-step addition and subtraction real world problems involving money using decimal notation	Day 1 Metric Units of Length (15.6) Day 2 Metric Units of Mass and Liquid Volume (15.7) Day 3 Chapter 15 Review Day 4 Chapter 15 Test Day 5 Temperature (16.1)	Lessons Boosters	Week 30 - Daily Math Subtracting fractions with denominators of 10 & 100, Missing parts of multiply whole number with fractions, Number patterns, Add, subtract, multiply & divide whole numbers, Using a protractor, Classify quadrilaterals

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Week 31 4/10-4/14	**MA.4.M.1.2 (16.2)** Convert within a single system of measurement using the units: yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hours, minutes, seconds. **MA.4.M.2.1 (16.3)** Solve two-step real-world problems involving distances and intervals of time using any combination of the four operations. **MA.4.DP.1.1 (17.1, 17.2)** Collect and represent numerical data,	16.2 Units of Time **LT: Use models to compare units of time.** *Vocabulary - Second 16.3 Elapsed Time **LT: Use the strategy *draw a diagram* to solve elapsed time problems.** Chapter 16 Review Chapter 16 Test Ch. 17 Prerequisite Vocabulary - Tally table 17.1 Frequency Tables **LT: Collect and represent data in a frequency table.** *Vocabulary - Frequency, Frequency table 17.2 Use Frequency Tables **LT: Solve problems using a frequency table.**	**Review: Measure Angles using a Protractor** MA.4.GR.1.2 Estimate angle measures. Using a protractor, measure angles in whole-number degrees and draw angles of specified measure in whole-number degrees. Demonstrate that angle measure is additive. **Preview**: **Measurement Conversions** MA.4.M.1.2 Convert within a single system of measurement using the units; yards, feet, inches; kilometers, meters, centimeters, millimeters; pounds, ounces; kilograms, grams; gallons, quarts, pints, cups; liter, milliliter; and hour, minutes, seconds.	Day 1 Units of Time (16.2) Day 2 Elapsed Time (16.3) Day 3 Chapter 16 Review Day 4 Chapter 16 Test Day 5 Frequency Tables (17.1, 17.2)	Lessons Boosters	Week 31 - Daily Math Multiplication Comparisons, Area, How many times greater place value, Equivalent fraction models, Classifying quadrilaterals & triangles

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	including fractional values, using tables, stem-and-leaf plots, or line plots. **MA.4.DP.1.3 (17.1, 17.2)** Solve real-world problems involving numerical data.					
Week 32 4/17-4/21	**MA.4.DP.1.2 (17.3)** Determine the mode, median, or range to interpret numerical data including fractional values, represented with tables, stem-and-leaf plots, or line plots. **MA.4.DP.1.1 (17.4 17.5, 17.6)** Collect and represent numerical data, including fractional values, using tables,	17.3 Determine Mode, Median, and Range **LT: Describe a set of data using mode, median and range.** *Vocabulary - Median, Mode, Range 17.4 Line Plots **LT: Make a line plot to display a set of data with whole numbers and fractions.** *Vocabulary - Line plot 17.5 Use Line Plots **LT: Use line plots to solve real-world problems involving**	**Review: Number Patterns** MA.4.AR.3.2 Generate, describe and extend a numerical pattern that follows a given rule. **Preview: Add/Subtract Mixed Numbers** MA.4.FR.2.2 Add and subtract fractions with like denominators, including mixed numbers and fractions greater than one, with procedural reliability.	Day 1 Determine Mode, Median, and Range 17.3) 2 Days Day 2 Determine Mode, Median, and Range 17.3) Day 3 Line Plots (17.4) Day 4 Use Line Plots (17.5) Day 5 Stem and Leaf Plots (17.6)	Lessons Line Plots Boosters Add and Subtract to Solve Problems with Line Plots Line Plots to Eighth of a unit	Week 32 - Daily Math Rounding Whole Numbers, Area & perimeter, Line of symmetry, Multiplying whole numbers & fractions

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	stem-and-leaf plots, or line plots. **MA.4.DP.1.3 (17.3, 17.4, 17.5, 17.6)** Solve real-world problems involving numerical data.	**whole numbers, fractions, and decimals.** 17.6 Stem-and-Leaf Plots **LT: Make stem-and-leaf plots with whole numbers.** *Vocabulary - Stem-and-Leaf plot				
Week 33 4/24-4/28	**MA.4.DP.1.1 (17.7)** Collect and represent numerical data, including fractional values, using tables, stem-and-leaf plots, or line plots **MA.4.DP.1.3 (17.7)** Solve real-world problems involving numerical data.	17.7 Use Stem-and-Leaf Plots **LT: Solve real-world problems using a stem-and-leaf plot.** Chapter 17 Review Chapter 17 Test		Day 1 Use Stem and Leaf Plots (17.7) 2 Days Day 2 Use Stem and Leaf Plots (17.7) 2 Days Day 3 Chapter 17 Review Day 4 Chapter 17 Test	Lessons Boosterse	Week 33 - Daily Math Prime vs Composite, Measure of degrees in fraction form, Factors of whole numbers, Missing addends, Plotting decimals on a number line, Classifying quadrilaterals by lines & angles

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Week 34 5/1-5/5			How to access Practice Tests for cumulative review Open HMHed Grade 4 Discover Tab All Resources Button Florida Standards Assessment Available Getting Ready for the FSA Practice Test 1 (33 questions) (Digital) Getting Ready for the FSA Practice Test 2 (33 questions) (Digital) Getting Ready for the FSA Practice Test 3 (33 questions) (Digital)	Review		Week 34 - Daily Math Balancing equations, Finding unknown angles, Finding the measure of an angle using a protractor, Adding & subtracting fractions with 10th & 100th using models
Week 35 5/8-5/12				Review		
Week 36 5/15-5/19				Review		
Week 37 5/22-5/25				Review		

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No school on the 26th-Teacher Planning						
Week 38						