Little Chute

Grade 3: Math Expressions Common Core 2020

Mathematics

Grade 3

Course Overview

Math Expressions incorporate the best practices of both traditional and reform mathematics curricula. The program strikes a balance between promoting student-generated solution methods and introducing effective research-based methods. **Math Expressions** fits the learning progressions, the core-grade-level goals, and the dual focus on understanding and fluency of the Common Core State Content Standards. (156 days)

Scope and Sequence

Timeframe	Unit	Instructional Topics
Ongoing	Building the Math Community	1. Math Talk Community 2. Inquiry Learning Path 3. Student Focus 4. Learning Path Teaching
32 Day(s)	Unit 1- Multiplication and Division by 0-5, 9, & 10	1.1: Preview and Pre-Assess 1.2: Meanings of Multiplication and Division: 5s & 2s 1.3: Patterns and Strategies- 9s and 10s 1.4: Strategies for Factors and Products- 3s and 4s 1.5: Multiply with 1 and 0 1.6: Review and Assess
23 Day(s)	Unit 2- Multiplication and Division with 6s, 7s, 8s, & Multiply with Multiples of 10	2.1: Preview and Pre-Assess 2.2: The Remaining Multiplications 2.3: Problem Solving and Multiples of 10 2.4: Review and Assess
24 Day(s)	Unit 3- Measurement, Time & Graphs	3.1: Preview and Pre-Assess 3.2: Length, Capacity, Weight, & Mass 3.3: Time and Date 3.4: Pictographs, Bar Graphs, and Line Plots 3.5: Review and Assess
24 Day(s)	Unit 4- Multidigit Addition and Subtraction	4.1: Preview and Pre-Assess 4.2: Place Value and Rounding 4.3: Addition and Subtraction Strategies and Group to Add 4.4: Ungroup to Subtract

		4.5: Review and Assess
18 Day(s)	Unit 5- Write Equations to Solve Word Problems	5.1: Preview and Pre-Assess 5.2: Types of Word Problems 5.3: Solve Two Step Word Problems 5.4: Review and Assess
24 Day(s)	Unit 6- Polygons, Perimeter, and Area	6.1: Preview and Pre-Assess 6.2: Analyzing Triangle and Quadrilaterals 6.3: Area and Perimeter 6.4: Review and Assess
18 Day(s)	Unit 7- Explore Fractions	7.1: Preview and Pre-Assess 7.2: Fraction Concepts 7.3: Equivalent Fractions 7.4: Review and Assess

Building the Math Community

Duration of Unit: Ongoing

Description of Unit: Effective Math Talk cannot be implemented into a classroom overnight. A teacher must work his or her students up to Level 3 Math Talk over time. It often takes two to three months to build the community.

Essential Questions and/or Enduring Understandings:
1. Math Talk Community
2. Inquiry Learning Path
3. Student Focus
4. Learning Path Teaching

ESSENTIAL Standards	Topics	Learning Targets
	1.	Students will participate in frequent collaborative conversations.
		Students will solve, discuss, question and justify at the board.
		Students will solve, discuss, question and justify in small groups.
		Students will solve, discuss, question and justify in pairs.
	2.	Students will participate in guided instruction.
		Students will demonstrate sense-making.
		Students will gain math fluency.
		Students will maintain fluency and relate to later topics and skills.
	3.	Students will demonstrate math leadership.
		Students will demonstrate math fluency and proficiency.
	4.	Students will explore and explain student generated methods.

		Students will explain and grow in math fluency.
		Students will demonstrate math fluency and proficiency.
NICE TO KNOW Standards		**Learning Targets**

Unit 1- Multiplication and Division with 0-5, 9, and 10

Duration of Unit: 32 Day(s)

Description of Unit: In this unit students learn how to use a variety of practice materials and routines to practice basic multiplications and divisions. They also learn how to use different strategies for multiplying and dividing, how multiplication and division are related, and how to use math drawings and equations to represent and solve word problems.

Essential Questions and/or Enduring Understandings:
1.1: Preview and Pre-Assess
1.2: Meanings of Multiplication and Division: 5s & 2s
1.3: Patterns and Strategies- 9s and 10s
1.4: Strategies for Factors and Products- 3s and 4s
1.5: Multiply with 1 and 0
1.6: Review and Assess

ESSENTIAL Standards	Topics	Learning Targets
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4	**1.1**	Students will demonstrate prior knowledge and application of multiplication and division.

CCSS.MATH.CONTENT.3.OA.C.7		
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7	**1.2**	Students will identify and use patterns to multiply with five (5).
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will use multiplication and drawings to represent equal groups situations.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will use multiplication and drawings to represent array situations and the Commutative Property.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will relate division to multiplication with an unknown factor.
CCSS.MATH.CONTENT		Students will identify patterns in 2s count-bys and multiplications and relate multiplication and division.

T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will build fluency with 2s and 5s multiplication and divisions.
		Students will complete formative assessment.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7	**1.3**	Students will explore patterns and solve problems in 10s count-bys, multiplications and divisions.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will identify patterns and explore strategies in 9s multiplications and divisions for multiplying and dividing quickly.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN		Students will build fluency with 2s, 5s 9s, and 10s multiplications and divisions.

T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		
		Students will complete formative assessment.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7	**1.4**	Students will look for patterns in, practice and find solution strategies for 3s count bys, multiplications, and divisions.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will use the area model for multiplication.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will look for patterns and apply problem-solving strategies in 4s multiplications and count bys.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN		Students will develop multiplication and division strategies and use them to solve problems.

T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will build fluency with 2s, 3, 4s, 5, 9s, and 10s multiplications and divisions.
		Students will complete formative assessment.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7	**1.5**	Students will use multiplication properties and division rules as strategies to multiply and divide one (1) and zero (0).
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will identify, solve, and create multiplication and division word problems.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN		Students will practice with 2s, 3s, 4s, 5s, 9s, and 10s multiplications and divisions.

T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will practice multiplications and divisions and solve word problems for 0s, 1s, 2s, 3s, 4s, 5s, 9s, and 10s.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will practice in a variety of real world problem-solving situations.
		Students will complete formative assessment.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7	**1.6**	Students will recall basic multiplication with 0, 1, 2, 3, 4, 5, 9, and 10.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN		Students will identify and use patterns, properties, rules and areas to multiply and divide.

T.3.OA.C.7		
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will write and solve a multiplication equation with an unknown to solve a division equation.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will use multiplication and division to solve real world word problems involving equal groups and arrays.
NICE TO KNOW Standards		**Learning Targets**

Unit 2- Multiplication and Division with 6s, 7s, 8s, and Multiply with Multiples of 10

Duration of Unit: 23 Day(s)

Description of Unit: Students learn multiplications and divisions for 6s, 7s, and 8s, while continuing to practice the rest of the basic multiplications and divisions covered in Unit 1. The lessons for 6s, 7s, and 8s multiplications focus on strategies for finding the products using multiplications they know. This unit also focuses on word problems.

Essential Questions and/or Enduring Understandings:
2.1: Preview and Pre-Assess
2.2: The Remaining Multiplications
2.3: Problem Solving and Multiples of 10
2.4: Review and Assess

ESSENTIAL Standards	Topics	Learning Targets
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7	**2.1**	Students will demonstrate prior knowledge and application of multiplication and division with 6s, 7, 8s, and multiples of 10.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7	**2.2**	Students will explore patterns and solve problems in 6s count bys, multiplications, and divisions.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4		Students will develop strategies for solving real world area problems.

CCSS.MATH.CONTENT.3.OA.C.7		
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will explore patterns and solve problems in 8s count bys, multiplications, and divisions.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will write multiplication and division word problems of various types.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will explore patterns and solve problems in 7s count bys, multiplications, and divisions.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will explain square numbers and describe square number patterns in the multiplication table.
CCSS.MATH.CONTEN		Students will practice 6s, 7s, and 8s multiplications and divisions.

T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will build fluency with 0s, 1s, 2s, 3s, 4s, 5s, 6s, 7s, 8s, 9s, and 10s multiplications and divisions.
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7	**2.3**	Students will represent and solve word problems using the four operations.
		Students will use place value and properties to multiply one digit numbers by multiples of ten (10).
CCSS.MATH.CONTEN T.3.OA.A.1 CCSS.MATH.CONTEN T.3.OA.A.2 CCSS.MATH.CONTEN T.3.OA.A.3 CCSS.MATH.CONTEN T.3.OA.A.4 CCSS.MATH.CONTEN T.3.OA.C.7		Students will use strategies to fluently multiply and divide within 100 and solve two step word problems.

CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will build fluency with 0s, 1s, 2s, 3s, 4s, 5s, 6s, 7s. 8s, 9s, and 10s multiplications and divisions.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will practice in a variety of real world problem-solving situations.
		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7	**2.4**	Students will recall basic multiplications and divisions with 0s-10s and multiply single digit numbers of 10.
CCSS.MATH.CONTENT.3.OA.A.1 CCSS.MATH.CONTENT.3.OA.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.OA.A.4 CCSS.MATH.CONTENT.3.OA.C.7		Students will use multiplication and division to solve real world word problems involving equal groups and arrays.

NICE TO KNOW Standards		**Learning Targets**
		Students will solve real world two step word problems using the four operations.
		Students will develop strategies for solving two step word problems.
		Students will develop strategies for solving two step word problems.
		Students will identify and use patterns, properties, rules, and areas to multiply and divide.
		Students will solve real world two step word problems using the four operations.

Unit 3- Measurement, Time, and Graphs

Duration of Unit: 23 Day(s)

Description of Unit: In Unit 3, students explore ways to measure things and solve problems involving liquid volumes and masses of objects. They read time to the minute and solve word problems involving addition and subtraction of time. Students read and create pictographs and bar graphs and organize and display data in frequency tables and line plots. Fluency checks for multiplication and division facts begin.

Essential Questions and/or Enduring Understandings:
3.1: Preview and Pre-Assess
3.2: Length, Capacity, Weight, Mass
3.3: Time and Date
3.4: Pictographs, Bar Graphs, and Line Plots
3.5: Review and Assess

ESSENTIAL Standards	Topics	Learning Targets
CCSS.MATH.CONTENT.3.MD.A.1 CCSS.MATH.CONTENT.3.MD.A.2 CCSS.MATH.CONTENT.3.MD.B.3 CCSS.MATH.CONTENT.3.MD.B.4	**3.1**	Students will demonstrate prior knowledge and application of measurement, time and graphs.
CCSS.MATH.CONTENT.3.MD.B.4	**3.2**	Students will measure length in inches, half inches, and quarter inches with rulers.
CCSS.MATH.CONTENT.3.MD.A.2		Students will use customary units of liquid volume.
CCSS.MATH.CONTENT.3.MD.A.2		Students will use metric units of liquid volume.
CCSS.MATH.CONTENT.3.MD.A.2		Students will measure and estimate weight and mass.
CCSS.MATH.CONTENT.3.MD.A.2 CCSS.MATH.CONTENT.3.OA.A.3 CCSS.MATH.CONTENT.3.NBT.A.2		Students will solve word problems involving liquid volumes or masses using addition, subtraction, multiplication and division.
CCSS.MATH.CONTENT.3.MD.A.2		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.MD.A.1	**3.3**	Students will tell and write time to the minute, quarter hour, half hour and hour.
CCSS.MATH.CONTENT.3.MD.A.1		Students will tell and write the time before and after the hour to the nearest minute.
CCSS.MATH.CONTENT.3.MD.A.1		Students will find elapsed time.
CCSS.MATH.CONTENT.3.MD.A.1		Students will solve word problems involving addition and subtraction of time intervals in minutes.
CCSS.MATH.CONTENT		Students will solve word problems involving addition and subtraction of intervals of time.

T.3.MD.A.1		
CCSS.MATH.CONTEN T.3.MD.A.1		Students will complete formative assessment.
CCSS.MATH.CONTEN T.3.MD.B.3	**3.4**	Students will draw scaled pictographs and bar graphs and solve comparison problems using data in pictographs and bar graphs.
CCSS.MATH.CONTEN T.3.MD.B.3		Students will analyze data to create horizontal and vertical bar graphs.
CCSS.MATH.CONTEN T.3.MD.B.3		Students will construct and analyze frequency tables and line plots.
CCSS.MATH.CONTEN T.3.MD.B.3		Students will solve word problems using data in line plots and scaled bar graphs.
CCSS.MATH.CONTEN T.3.MD.B.3		Students will practice in a variety of real world problem-solving situations.
CCSS.MATH.CONTEN T.3.MD.B.3		Students will complete formative assessment.
CCSS.MATH.CONTEN T.3.MD.A.1	**3.5**	Students will tell and write time to the nearest minute.
CCSS.MATH.CONTEN T.3.MD.A.2		Students will measure and estimate length, liquid volume, weight, and mass of objects.
CCSS.MATH.CONTEN T.3.MD.B.3		Students will draw a pictograph, bar graph and line plot.
CCSS.MATH.CONTEN T.3.MD.A.1 CCSS.MATH.CONTEN T.3.MD.A.2 CCSS.MATH.CONTEN T.3.MD.B.3 CCSS.MATH.CONTEN T.3.MD.B.4		Students will solve real world word problems involving intervals of time, liquid volume, weight, mass and information from a graph.
NICE TO KNOW Standards		**Learning Targets**

Unit 4- Multidigit Addition and Subtraction

Duration of Unit: 26 Day(s)

Description of Unit: In this unit students review place value and rounding numbers to estimate and check reasonableness of answers. They also practice addition and subtraction with multi digit numbers. Fluency for addition and subtraction facts and multidigit addition and subtraction begins.

Essential Questions and/or Enduring Understandings:
4.1: Preview and Pre-Assess
4.2: Place Value and Rounding
4.3: Addition and Subtraction Strategies and Group to Add
4.4: Ungroup to Subtract
4.5: Review and Assess

ESSENTIAL Standards	Topics	Learning Targets
CCSS.MATH.CONTENT.3.NBT.A.2	**4.1**	Students will demonstrate prior knowledge and application of multidigit addition and subtraction.
CCSS.MATH.CONTENT.3.NBT.A.1	**4.2**	Students will make and interpret place value drawings.
CCSS.MATH.CONTENT.3.NBT.A.1		Students will identify the value of a digit.
CCSS.MATH.CONTENT.3.NBT.A.1		Students will use place value to group and ungroup multi digit numbers and solve word problems.
CCSS.MATH.CONTENT.3.NBT.A.1		Students will identify numbers from scrambled place value names and solve word problems.
CCSS.MATH.CONTENT.3.NBT.A.1		Students will round numbers to the nearest hundred to estimate sums and differences.
CCSS.MATH.CONTENT.3.NBT.A.1		Students will round numbers to the nearest ten to estimate sums and differences.

CCSS.MATH.CONTENT.3.NBT.A.1		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.NBT.A.2	**4.3**	Students will discuss and apply multidigit addition methods.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will discuss and apply multidigit addition methods with place value alignment.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will decide when and how to group in multidigit addition.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will identify and explain errors in addition and solve word problems.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.NBT.A.2	**4.4**	Students will explore methods for subtracting multi digit numbers.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will subtract with zeros in the top number.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will subtract using two different methods.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will relate grouping in addition and ungrouping in subtraction.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will discuss and practice subtraction methods.
CCSS.MATH.CONTENT.3.NBT.A.2		Students will discuss and practice addition and subtraction methods.
CCSS.MATH.CONTENT.3.OA.D.8		Students will solve word problems that involve two or more steps and assess reasonableness.
CCSS.MATH.CONTENT.3.OA.D.8		Students will practice in a variety of real world problem-solving situations.
CCSS.MATH.CONTENT.3.NBT.A.2 CCSS.MATH.CONTENT.3.OA.D.8		Students will complete formative assessment.

CCSS.MATH.CONTENT.3.NBT.A.2	**4.5**	Students will round whole numbers to estimate sums and differences and assess reasonableness of answers.
CSS.MATH.CONTENT.3.NBT.A.2		Students will add and subtract whole numbers.
CCSS.MATH.CONTENT.3.OA.D.8 CCSS.MATH.CONTENT.3.NBT.A.2		Students will write a related subtraction word problem for an addition problem and vice versa.
CCSS.MATH.CONTENT.3.OA.D.8 CCSS.MATH.CONTENT.3.NBT.A.2		Students will solve a variety of real world problems.
NICE TO KNOW Standards		**Learning Targets**

Unit 5- Write Equations to Solve Word Problems

Duration of Unit: 18 Day(s)

Description of Unit: Students solve addition, subtraction, multiplication, and division problems involving unknown addends and factors. In this unit equations with numbers alone on the left are emphasized to help with the understanding of algebra.

Essential Questions and/or Enduring Understandings:
5.1: Preview and Pre-Assess
5.2: Types of Word Problems
5.3: Solve Two Step Word Problems
5.4: Review and Assess

ESSENTIAL Standards	Topics	Learning Targets
CCSS.MATH.CONTEN	**5.1**	Students will demonstrate prior knowledge and application of solving a variety of word problems.

T.3.OA.A.3		
CCSS.MATH.CONTENT.3.OA.A.3	**5.2**	Students will solve addition and subtraction word problems.
CCSS.MATH.CONTENT.3.OA.A.3		Students will represent and solve word problems with unknown addends and unknown factors.
CCSS.MATH.CONTENT.3.OA.A.3		Students will solve word problems with unknown starts and write situation and solution equations for word problems.
CCSS.MATH.CONTENT.3.OA.A.3		Students will solve comparison word problems.
CCSS.MATH.CONTENT.3.OA.A.3		Students will represent and solve comparison word problems with misleading language.
CCSS.MATH.CONTENT.3.OA.A.3		Students will represent and solve word problems with extra, hidden, or not enough information.
CCSS.MATH.CONTENT.3.OA.A.3		Students will solve real world two step word problems using the four operations and assess the reasonableness of answers.
CCSS.MATH.CONTENT.3.OA.D.8	**5.3**	Students will use addition, subtraction, multiplication, and division to solve two step problems.
CCSS.MATH.CONTENT.3.OA.D.8		Students will solve word problems requiring two steps.
CCSS.MATH.CONTENT.3.OA.D.8		Students will solve word problems requiring two operations.
CCSS.MATH.CONTENT.3.OA.D.8		Students will solve word problems using two step equations and decide if answers are reasonable.
CCSS.MATH.CONTENT.3.OA.D.8		Students will practice in a variety of real world problem-solving situations.
CCSS.MATH.CONTENT.3.OA.D.8		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.OA.D.8	**5.4**	Students will solve a variety of word problems involving addition and subtraction within 1,000, unknown factors, extra or hidden information, and identify problems with not enough information.

CCSS.MATH.CONTENT.3.OA.D.8		Students will solve real world two step word problems using the four operations and assess the reasonableness of answers.
NICE TO KNOW Standards		**Learning Targets**

Unit 6- Polygons, Perimeter, and Area		
Duration of Unit: 18 Day(s)		
Description of Unit: In this unit, students learn to recognize and describe different quadrilaterals by their sides and angles. They also develop methods to find the perimeter and area of a rectangle.		
Essential Questions and/or Enduring Understandings: 6.1: Preview and Pre-Assess 6.2: Analyzing Triangle and Quadrilaterals 6.3: Area and Perimeter 6.4: Review and Assess		
ESSENTIAL Standards	**Topics**	**Learning Targets**
CCSS.MATH.CONTENT.3.G.A.1	**6.1**	Students will complete formative assessment.
CCSS.MATH.CONTENT.3.G.A.1	**6.2**	Students will explore the relationship between angles, triangles, and polygons.
CCSS.MATH.CONTENT.3.G.A.1		Students will explore the relationships among parallelograms, rectangles, squares, rhombus, and trapezoids.
CCSS.MATH.CONTENT.3.G.A.1		Students will draw quadrilaterals.

CCSS.MATH.CONTENT.3.G.A.1		Students will describe the relationships among various types of quadrilaterals and draw quadrilaterals that match a description.
CCSS.MATH.CONTENT.3.G.A.1		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.MD.D.8 CCSS.MATH.CONTENT.3.MD.C.5	**6.3**	Students will develop concepts of perimeter and area.
CCSS.MATH.CONTENT.3.MD.D.8		Students will use side lengths in area and perimeter calculations and problems.
CCSS.MATH.CONTENT.3.MD.D.8		Students will recognize that rectangles with the same perimeter can have different areas, and rectangles with the same area can have different perimeters.
CCSS.MATH.CONTENT.3.MD.C.7.A		Students will find the area of figures by decomposing them into rectangles.
CCSS.MATH.CONTENT.3.MD.D.8 CCSS.MATH.CONTENT.3.MD.C.5		Students will use concepts of perimeter and area to solve real world problems.
CCSS.MATH.CONTENT.3.MD.C.5.A		Students will use tangram shapes to find areas of figures.
CCSS.MATH.CONTENT.3.MD.D.8 CCSS.MATH.CONTENT.3.MD.C.5		Students will practice in a variety of real world problem-solving situations.
CCSS.MATH.CONTENT.3.MD.D.8 CCSS.MATH.CONTENT.3.MD.C.5		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.G.A.1	**6.4**	Students will sort quadrilaterals into subcategories by their shared attributes and draw examples of quadrilaterals given descriptions.
CCSS.MATH.CONTENT.3.G.A.2		Students will express the area of a shape partitioned into equal areas as a unit fraction.
CCSS.MATH.CONTENT.3.MD.C.5		Students will demonstrate the concept of area and find the area of a figure.

CCSS.MATH.CONTENT.3.MD.D.8 CCSS.MATH.CONTENT.3.MD.C.5		Students will solve real world problems involving perimeter and area.
NICE TO KNOW Standards		**Learning Targets**

Unit 7- Polygons, Perimeter, and Area

Duration of Unit: 18 Day(s)

Description of Unit: Students build fractions from unit fractions and explore fractions as parts of a whole. They find equivalent fractions, and compare fractions with either the same denominator or the same numerator. They use their understanding of fraction concepts to solve real world problems.

Essential Questions and/or Enduring Understandings:
7.1: Preview and Pre-Assess
7.2: Fraction Concepts
7.3: Equivalent Fractions
7.4: Review and Assess

ESSENTIAL Standards	Topics	Learning Targets
CCSS.MATH.CONTENT.3.NF.A.1	**7.1**	Students will demonstrate prior knowledge and application of fractions.
CCSS.MATH.CONTENT.3.NF.A.1	**7.2**	Students will explore how fractions are used to build other fractions.
CCSS.MATH.CONTENT.3.NF.A.2		Students will use fraction bars and number lines to represent fractions.
CCSS.MATH.CONTENT.3.NF.A.2		Students will locate fractions on the number line.

CCSS.MATH.CONTENT.3.NF.A.2		Students will use fraction bars and number lines to compare unit fractions.
CCSS.MATH.CONTENT.3.NF.A.2 CCSS.MATH.CONTENT.3.NF.A.3		Students will use fraction circles to compare fractions with the same denominator or with the same numerator.
CCSS.MATH.CONTENT.3.NF.A.2		Students will practice in a variety of real world problem-solving situations.
CCSS.MATH.CONTENT.3.NF.A.3	**7.3**	Students will explain equivalent fractions.
CCSS.MATH.CONTENT.3.NF.A.3.A		Students will find two or more equivalent fractions using number lines.
CCSS.MATH.CONTENT.3.NF.A.1 CCSS.MATH.CONTENT.3.NF.A.2 CCSS.MATH.CONTENT.3.NF.A.3		Students will use fraction concepts to solve real world problems.
CCSS.MATH.CONTENT.3.NF.A.1 CCSS.MATH.CONTENT.3.NF.A.2 CCSS.MATH.CONTENT.3.NF.A.3		Students will practice in a variety of real world problem-solving situations.
CCSS.MATH.CONTENT.3.NF.A.1 CCSS.MATH.CONTENT.3.NF.A.2 CCSS.MATH.CONTENT.3.NF.A.3		Students will complete formative assessment.
CCSS.MATH.CONTENT.3.NF.A.2	**7.4**	Students will write a fraction and unit fraction for a part of a whole and for a number on a line.
CCSS.MATH.CONTENT.3.NF.A.3.C CCSS.MATH.CONTENT.3.NF.A.3.B		Students will write equivalent fractions including fractions that are equivalent to whole numbers.
CCSS.MATH.CONTENT.3.NF.A.3.D		Students will compare two fractions with the same denominator.

CCSS.MATH.CONTENT.3.NF.A.1 CCSS.MATH.CONTENT.3.NF.A.2 CCSS.MATH.CONTENT.3.NF.A.3		Students will solve real world problems involving fractions.
NICE TO KNOW Standards		**Learning Targets**