Amplify Desmos Math Texas, Grade 5, Scope and Sequence

The following shows the scope and sequence of Amplify Desmos Math Texas, Grade 5, that outlines the concepts, knowledge, and skills of the course aligned to the Texas Essential Knowledge and Skills (TEKS) and the Texas English Language Proficiency Standards (ELPS) for Grade 5.

Unit 1: Volume, Factors, and Expressions

Lesson	Title | Concepts, Knowledge, and Skills	TEKS	ELPS
Sub-unit 1: Unit Cubes and Volume			
1.01	Explore: Filling Containers | Which container has the greatest capacity? Apply measurement concepts to determine the relative capacities of containers.	Building Toward 5.6.A **Process TEKS:** 5.1.B, 5.1.C, 5.1.D	1.E, 2.B, 2.E, 2.F, 3.D, 3.F
1.02	Which Is Largest? | Defining Volume Explore volume by building and comparing figures with standard unit cubes.	5.6.A **Process TEKS:** 5.1.E, 5.1.G	1.B, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.E, 3.F
1.03	Cube Figures | Developing Strategies to Determine Volume Describe the layered structure of a rectangular prism and develop strategies to determine the volumes of rectangular prisms.	5.6.A **Process TEKS:** 5.1.E, 5.1.G	1.C, 1.E, 2.C, 2.D, 2.E, 2.F, 3.C, 3.D, 3.F, 4.D, 4.F
1.04	Stacking Garbage | Using the Structure of Rectangular Prisms to Determine Volume Use and explain the layered structure of a rectangular prism to determine volume of rectangular prisms.	5.6.A **Process TEKS:** 5.1.E, 5.1.F, 5.1.G	1.E, 2.C, 2.D, 2.E, 2.F, 3.A
Sub-unit 2: Calculating Volume of Rectangular Prisms			
1.05	Piled High | Determining Volume Using the Number of Layers and Area of the Base Determine the volume of a rectangular prism using information about the area of the base layer and the total number of layers.	5.4.H, 5.6.B **Process TEKS:** 5.1.D, 5.1.E	1.E, 2.B, 2.E, 2.F
1.06	Volume of Rectangular Prisms | Developing Formulas for Determining Volume Determine the volume of a rectangular prism without unit cubes and generalize how to determine the volume of any rectangular prism.	5.4.G, 5.4.H **Process TEKS:** 5.1.B, 5.1.F	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 4.D, 4.F

1.07	Shipping Out Trash | Representing and Solving Problems Related to Area and Volume Determine the volumes of rectangular prisms by developing and using the formulas $V = \ell \times w \times h$, $V = Bh$, and $V = s \times s \times s$.	5.4.H **Process TEKS:** 5.1.A, 5.1.C, 5.1.D, 5.1.E, 5.1.G	1.E, 2.C, 2.D, 2.E, 2.F, 3.E
1.08	Trash to Treasure (Optional) | Using Multiplication to Calculate Volume Determine the volumes of partially filled or completely packed rectangular prisms and represent the volumes with different multiplication expressions.	5.4.H **Process TEKS:** 5.1.B, 5.1.E, 5.1.F	1.B, 1.E, 2.B, 2.D, 2.E, 2.F, 3.D, 3.F, 4.D, 4.F
1.09	Figures Made of Prisms (Optional) | Determining Volumes of Figures in Different Ways Determine the volumes of figures composed of rectangular prisms, in which unit cubes are visible, using different strategies.	5.4.H **Process TEKS:** 5.1.F, 5.1.G	1.B, 1.E, 1.F, 2.B, 2.D, 2.E, 2.F, 3.D, 3.F
Sub-unit 3: Factors and Expressions			
1.10	How Many Rectangles? | Determining Factor Pairs Use rectangle side lengths to identify factor pairs for a given whole number area.	5.4.H **Process TEKS:** 5.1.E, 5.1.F	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E, 3.F, 3.H
1.11	Hamster Homes (Optional) | Real-World Problems Involving Factor Pairs Solve real-world problems that involve multiples and common multiples.	Building Toward 5.4.A **Process TEKS:** 5.1.B, 5.1.D, 5.1.E	1.D, 1.E, 1.F, 2.B, 2.C, 2.E, 2.F, 3.F, 4.D, 4.F
1.12	How Many Factors? | Introducing Prime and Composite Numbers Use rectangles to determine whether a number is prime or composite.	5.4.A **Process TEKS:** 5.1.F, 5.1.G	1.B, 1.F, 2.B, 2.C, 2.D, 2.E, 3E, 3.F, 4.C, 4.D, 4.F
1.13	Mystery Numbers | Using Factors and Multiples to Describe and Identify Numbers Determine factors and multiples of given numbers between 1 and 100.	5.4.A **Process TEKS:** 5.1.D, 5.1.F	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.H, 4.C, 4.D, 4.F
1.14	A Number Game | Applying Factors, Multiples, and Prime and Composite Numbers Determine factor pairs and multiples for a chosen number between 10 and 100.	5.4.A **Process TEKS:** 5.1.D, 5.1.F	1.E, 1.F, 2.B, 2.E, 2.F, 3.F, 3.H
1.15	Operation: Organize and Order! | Introducing Order of Operations Determine the values of expressions without grouping symbols using the order of operations.	5.4.F **Process TEKS:** 5.1.B, 5.1.F, 5.1.G	1.B, 1D, 1.E, 2.B, 2.C, 2.D, 2.E, 3.C, 3.D, 3.F

1.16	Numbers Work in Groups | Describing the Meaning of Parentheses and Brackets Describe the meaning of parentheses and brackets within an expression and simplify to determine the value.	5.4.E, 5.4.F **Process TEKS:** 5.1.B, 5.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.E, 3F, 3.H
1.17	Super-Sized Equations | Representing Multi-Step Story Problems With Equations That Include Grouping Symbols Use expressions that include grouping symbols to represent multi-step story problems involving volume.	5.4.F, 5.4.H **Process TEKS:** 5.1.A, 5.1.D, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F

Unit 2: Multiplying and Dividing Fractions

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Multiplying Fractions and Whole Numbers				
2.01	Explore: Quilts for Critters | How many quilts?	Begin to think about whole number and unit fraction multiplication by representing parts of a whole in multiple ways.	Building Toward 5.3.I **Process TEKS:** 5.1.A, 5.1.B, 5.1.E	1.A, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.H
2.02	Sharing Stories | Multiplying Whole Numbers by Unit Fractions When the Multiplier is a Whole Number	Represent story problems involving whole number and unit fraction multiplication with two-color counters and models.	5.3.I **Process TEKS:** 5.1.A, 5.1.C, 5.1.D, 5.1.E, 5.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.H
2.03	Fruitful Fractions | Multiplying Unit Fractions by Whole Numbers	Compare products to each factor using the size of the factors to generalize about the size of the product when multiplying a unit fraction by a whole number.	5.3.I **Process TEKS:** 5.1.A, 5.1.E, 5.1.F, 5.1.G	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E, 3.F, 3.H
2.04	Representation Matters | More Scaling Whole Numbers by Unit Fractions	Solve story problems involving multiplication of a whole number and a unit fraction using two-color counters and models.	5.3.I **Process TEKS:** 5.1.A, 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A
2.05	Multiplying With Non-Unit Fractions | Determining Products of Whole Numbers and Non-Unit Fractions	Explain how models and equivalent expressions represent the product of a whole number and a non-unit fraction.	5.3.I, 5.4.F **Process TEKS:** 5.1.D, 5.1.F	1.E, 1.F, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E, 3.F, 4.C, 4.D, 4.E, 4.F

2.06	Ronnie the Roly Poly | Representing Equivalent Multiplication Expressions Write equivalent expressions for the product of a fraction and a whole number using models.	5.3.I **Process TEKS:** 5.1.E, 5.1.F, 5.1.G	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
2.07	Bamboozled | Multiplying Whole Numbers and Mixed Numbers Use the properties of operations and estimation to reason about the size of a product of a whole number and a fraction greater than 1.	5.3.I **Process TEKS:** 5.1.B, 5.1.F, 5.1.G	1.B, 1.C, 1.E, 2.B, 2.E, 2.F, 3.E, 3.F
Sub-unit 2: Dividing With Unit Fractions and Whole Numbers			
2.08	Sharing Cat Food | Representing and Solving Division of a Whole Number by a Unit Fraction Represent a situation in which a unit fraction is divided by a whole number with models and expressions.	5.3.J, 5.3.L **Process TEKS:** 5.1.A, 5.1.E, 5.1.F	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 4.C, 4.D, 4.F
2.09	Hungry, Hungry Puppies | Dividing Whole Numbers by Unit Fractions Represent "how many parts" situations in which a whole number is divided by a unit fraction with models and expressions.	5.3.J, 5.3.L **Process TEKS:** 5.1.A, 5.1.C, 5.1.F, 5.1.G	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 4.D, 4.F
2.10	Sharing Parts | Representing and Solving Division of a Unit Fraction by a Whole Number Justify why expressions represent story problems, and use representations to analyze the relationship between the dividend, divisor, and quotient.	5.3.J, 5.3.L, **Process TEKS:** 5.1.E, 5.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.C, 3.F, 3.F, 3.G, 3.H

Unit 3: Multi-Digit Multiplication and Division and Financial Literacy

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Multi-digit Multiplication				
3.01	Explore: Estimation Station | How can you get as close as possible to a target product?	Use estimation strategies to reason about factors that result in a product close to a target number.	Building Toward 5.3.A **Process TEKS:** 5.1.A, 5.1.B, 5.1.E, 5.1.G	1.A, 1.C, 1.E, 2.B, 2.E, 2.F, 3.H, 4.D, 4.F
3.02	Answering Andrea's Questions | Estimating and Determining Products of Multi-Digit Numbers		5.3.A, 5.3.B **Process TEKS**: 5.1.A, 5.1.B,	1.A, 1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.H, 3.G

	Determine products and use estimation to check for reasonableness.	5.1.F, 5.1.G	
3.03	Miles of Fun | Representing Values of Expressions Involving Multi-Digit Factors Use partial products strategies to multiply multi-digit whole numbers.	5.3.A **Process TEKS:** 5.1.B, 5.1.F, 5.1.G	1.B, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
3.04	Partial Products Everywhere | Determining Products Using a Partial Products Algorithm Use a partial products algorithm to multiply multi-digit whole numbers.	Building Toward 5.3.B **Process TEKS:** 5.1.B, 5.1.E	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
3.05	Multiplication Mayhem | Multi-Digit Multiplication Fluency Use estimation strategies and place value understanding to multiply multi-digit whole numbers using the standard algorithm.	5.3.A, 5.3.B **Process TEKS:** 5.1.C, 5.1.D, 5.1.E, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E
Sub-unit 2: Multi-Digit Division			
3.06	Whose Quotient Is It Anyway? | Dividing Multi-Digit Dividends By One-Digit Divisors Use familiar strategies, including estimation, to divide multi-digit dividends by one-digit divisors.	Building Toward 5.3.C **Process TEKS:** 5.1.A, 5.1.C, 5.1.D	1.E, 2.C, 2.D, 2.E, 2.F, 3.C, 3.F
3.07	What Do You Think? | Dividing Three- and Four-Digit Dividends by Two-Digit Divisors Use partial quotients strategies and estimation to divide three- and four-digit dividends by two-digit divisors resulting in two-digit quotients and no remainders.	5.3.A, 5.3.C **Process TEKS:** 5.1.B, 5.1.E	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.C, 3.E, 3.F, 3.G, 3.H
3.08	Emptying the Water Tank | Determining 1 Partial Quotient for Each Place Value Use partial quotients strategies to divide up to four-digit dividends by two-digit divisors resulting in two- or three-digit quotients and no remainders.	5.3.C **Process TEKS:** 5.1.E, 5.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
3.09	Algorithm Affinity | Dividing Multi-Digit Dividends by Two-Digit Divisors Using the Standard Algorithm Use partial quotients strategies to divide up to four-digit dividends by two-digit divisors resulting in three-digit quotients with and without remainders.	5.3.C, 5.4.H **Process TEKS:** 5.1.C, 5.1.D, 5.1.E, 5.1.F, 5.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E, 3.F, 3.G, 3.H
3.10	Celery Chop | Representing Remainders Solve division story problems and represent quotients as mixed numbers.	5.3.C **Process TEKS:** 5.1.G	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F

Sub-unit 3: Representing Multi-Step Problems With Equations			
3.11	It's All in the Details | Representing Multi-Step Story Problems With Equations Using a Letter Standing for the Unknown Quantity Analyze information in story problems to identify and write equations with a letter standing for the unknown.	5.4.B **Process TEKS:** 5.1.A, 5.1.B, 5.1.C, 5.1.D, 5.1.E	1.B, 1.E, 2.C, 2.D, 2.E, 2.F, 3.C, 3.F, 3.H, 4.D, 4.F
3.12	Uncovering the Unknown | Solving Multi-Step Story Problems With Equations Using a Letter Standing for the Unknown Quantity Represent and solve multi-step story problems using equations involving an unknown quantity.	5.4.B, 5.4.F **Process TEKS:** 5.1.A, 5.1.B, 5.1.E, 5.1.F, 5.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.H
3.13	Game, Set, Match! | Using Reasoning, Without Simplifying, to Compare Expressions Interpret and compare numerical and written equations, without evaluating them, using properties of operations.	Building Toward 5.4.F **Process TEKS:** 5.1.D, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.F, 3.H, 4.C, 4.D, 4.F
Sub-unit 4: Financial Literacy			
3.14	Money, Money, Money! | Types of Income and Taxes Identify different tax types and differentiate between gross and net income.	5.10.A, 5.10.B **Process TEKS:** 5.1.A, 5.1.D	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.C, 3.F, 4.C, 4.D, 4.F
3.15	Is It Balanced? | Making and Balancing a Budget Determine when expenses exceed income in a budget, and describe actions to balance a budget.	5.3.K, 5.10.E, 5.10.F **Process TEKS:** 5.1.A	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.C, 3.F
3.16	Add It, Subtract It, Track It! | Creating Strategies to Keep Financial Records Develop and use a system for keeping financial records to track income, savings, and spending.	5.3.K, 5.10.D **Process TEKS:** 5.1.A, 5.1.E	1.A, 1.B, 1.C, 1.E, 2.A, 2.B, 2.C, 2.D, 2.E, 2.F, 3.B, 3.C
3.17	Time to Check Out! | Analyzing Payment Methods Analyze and compare different methods of payment.	5.3.B, 5.10.C **Process TEKS:** 5.1.A, 5.1.F, 5.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.E, 3.F, 4.C, 4.D, 4.F

Unit 4: Place Value Patterns and Decimal Operations

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS

Sub-unit 1: Decimal Place Value			
4.01	Explore: Numbers Between Numbers | Is there always a number between 2 numbers? Identify numbers between 2 whole numbers, including decimal values.	Building Toward 5.2.A **Process TEKS:** 5.1.A, 5.1.B, 5.1.F, 5.1.G	1.B, 1.E, 2.B, 2.E, 2.F, 3.C, 3.D, 3.E, 3.F
4.02	What Is Smaller Than One Hundredth? | Making Sense of Thousandths Represent numbers to the thousandths.	Building Toward 5.2.A **Process TEKS:** 5.1.D	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E, 3.F
4.03	Different Decimal Representations | Expanding Thousandths Write and interpret decimals to the thousandths in word form, standard form, expanded form, or expanded notation.	Building Toward 5.2.A **Process TEKS:** 5.1.D, 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.D
4.04	Notation and Numerals | Representing Decimals in Expanded Form, Expanded Notation, and With Numerals Represent decimals to the thousandths in standard form, expanded form, or expanded notation.	5.2.A **Process TEKS:** 5.1.E, 5.1.F, 5.1.G	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.D, 3.F
4.05	The Claw | Locating Decimals on Number Lines Locate decimals to the thousandths on number lines.	Building Toward 5.2.B **Process TEKS:** 5.1.E, 5.1.F	1.E, 1.F, 2.B, 2.D, 2.E, 2.F
4.06	Selling Collectibles | Comparing Decimals to the Thousandths Compare decimals to the thousandths.	5.2.B **Process TEKS:** 5.1.D, 5.1.F, 5.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 3.B, 3.C, 3.D, 3.E, 3.F, 3.G, 4.A, 4.B
4.07	Which Way Down the Mountain? | Rounding Decimals to the Hundredths Round decimals to the nearest whole, tenth, and hundredth.	5.2.C **Process TEKS:** 5.1.C, 5.1.D, 5.1.F	1.E, 2.B, 2.C, 2.E, 2.F, 3.C, 3.D, 3.E, 3.F
4.08	Rounding Races | Rounding Decimals to the Hundredths in Context Round decimals to the nearest whole, tenth, and hundredth in context.	5.2.B, 5.2.C **Process TEKS:** 5.1.A, 5.1.C, 5.1.F, 5.1.G	1.E, 1.F, 2.B, 2.E, 2.F, 3.D, 3.E, 3.F, 4.F
4.09	Market Day Preparation | Adding and Subtracting Decimals in Real-World Problems Use place value strategies and algorithms to add and subtract decimals to the hundredths.	5.3.K **Process TEKS:** 5.1.A, 5.1.B, 5.1.D, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E, 3.F, 3.G, 3.H, 4.D, 4.F
Sub-unit 2: Multiplying Decimals			

4.10	Exploring Decimal Multiplication | Making Sense of Decimal Multiplication Multiply whole numbers and decimals less than 1 to the hundredths using any representation or strategy.	5.3.D, 5.3.E **Process TEKS:** 5.1.C, 5.1.D, 5.1.E	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
4.11	Comic Book Advertisements | Multiplying Whole Numbers and Decimals Less Than or Greater Than 1 Solve story problems involving multiplying a whole number and a decimal.	5.3.D, 5.3.E **Process TEKS:** 5.1.C, 5.1.D, 5.1.E	1.B, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
4.12	Model Multiplication | Representing Multiplication of Decimals With Pictorial Models Use hundredths models to represent the product of whole numbers and decimals, and decimals and decimals.	5.3.D, 5.3.E **Process TEKS:** 5.1.A, 5.1.B, 5.1.E, 5.1.F, 5.1.G	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.E, 3.G, 3.H
4.13	Decimals, Models, and Decompositions | Representing Multiplication of Decimals with Area Models Determine the product of 2 decimals using place value reasoning.	5.3.D, 5.3.E **Process TEKS:** 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.D, 2.E, 2.F
Sub-unit 3: Dividing Decimals			
4.14	Breaking It Down! | Representing Decimal Division With Hundredths Models Use objects to represent and solve problems involving division of decimals by whole numbers.	5.3.F **Process TEKS:** 5.1.A, 5.1.E, 5.1.F, 5.1.G	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F 3.A, 3.D, 3.E, 3.F, 3.G, 3.H
4.15	Multiple Ways | Representing Division of Decimals With Area Models Use area models to represent and solve for quotients of decimals to the hundredths.	5.3.F **Process TEKS:** 5.1.A, 5.1.E, 5.1.F	1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F
4.16	Use What You Know | Using Whole Number Division to Divide Decimals Relate whole number division to decimal division to determine decimal quotients.	5.3.A, 5.3.G **Process TEKS:** 5.1.B, 5.1.C, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 4.D, 4.F
4.17	Dividing Decimals the Standard Way | Dividing Decimals Using the Standard Algorithm Use the standard algorithm to determine decimal quotients.	5.3.A, 5.3.G **Process TEKS:** 5.1.C, 5.1.D, 5.1.E, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 4.C

Unit 5: Measurement, Fraction Operations, and Data

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS
Sub-unit 1: Measurement Conversions				
5.01	Explore: Relationships Between Units | How are units of measurement related?	Create visual displays to represent a measurement system.	Building Toward 5.7.A **Process TEKS:** 5.1.A, 5.1.B, 5.1.D, 5.1.E, 5.1.F	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
5.02	Traveling Butterflies | Converting Metric Lengths	Convert between metric lengths using powers of 10.	5.7.A **Process TEKS:** 5.1.A, 5.1.F	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E
5.03	MASSive Measurements | Converting Between Metric Units of Mass	Solve multi-step problems involving metric units of mass conversions.	5.7.A **Process TEKS:** 5.1.F, 5.1.G	1.E, 2.B, 2.E, 2.F, 3.D, 3.F
5.04	Butterfly Feeders | Solving Metric Liquid Volume Problems	Solve multi-step problems involving liquid volume measurement conversions.	5.7.A **Process TEKS:** 5.1.A, 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.F, 3.G, 3.H
5.05	Collecting Compost | Converting Between Customary Units of Weight	Solve multi-step problems involving at least 2 different measurements within a single system of measurement units.	5.7.A **Process TEKS:** 5.1.A, 5.1.B, 5.1.F	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
5.06	Butterfly Garden| Converting Between Customary Units of Length	Solve problems involving customary units of length measurement conversions.	5.7.A **Process TEKS:** 5.1.A, 5.1.F, 5.1.G	1.B, 1.F, 2.B, 2.E, 3.E, 3.F, 4.C, 4.D, 4.F
5.07	Taking Care of the Butterfly Garden | Solving Customary Liquid Volume Problems	Solve multi-step problems involving customary liquid volume measurement.	5.7.A **Process TEKS:** 5.1.A, 5.1.B, 5.1.F	1.C, 1.E, 2.B, 2.D, 2.E, 2.F, 3.A, 3.H
Sub-unit 2: Adding and Subtracting Fractions With Unequal Denominators				
5.08	Spread Your Wings and Fly | Adding and Subtracting Fractions With Unequal Denominators Using Objects	Solve real-world problems involving adding and subtracting with unequal denominators in different ways.	5.3.H **Process TEKS:** 5.1.A, 5.1.C, 5.1.D, 5.1.E	1.D, 1.E, 1.F, 2.C, 2.D, 2.E, 2.F, 3.A, 3.C, 3.D, 3.F, 3.G, 3.H
5.09	Preparing for Winter With Unequal Fractions | Representing Addition and Subtraction of Related Fractions Using Pictorial Models		5.3.H **Process TEKS:** 5.1.A, 5.1.C, 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.C, 3.F, 3.G, 3.H

	Use fraction strips to add and subtract fractions with unequal denominators.		
5.10	Quique's Monarch Butterflies | Adding and Subtracting Fractions with Related and Unrelated Denominators Add and subtract fractions with unequal denominators in real-world contexts.	5.3.H **Process TEKS:** 5.1.A, 5.1.B, 5.1.C, 5.1.F, 5.1.G	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.F, 4.D, 4.F
5.11	All Sorts of Denominators | Determining Common Denominators Using Multiples and Factors Add and subtract fractions with unequal denominators in mathematical contexts.	5.3.H **Process TEKS:** 5.1.D, 5.1.E, 5.1.F, 5.1.G	1.C, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
5.12	What's in a Sum? | Adding Mixed Numbers With Unequal Denominators Add mixed numbers with unequal denominators in mathematical and real-world contexts.	5.3.A, 5.3.H **Process TEKS:** 5.1.B, 5.1.D, 5.1.E, 5.1.G	1.E, 2.C, 2.D, 2.E, 2.F, 3.F
5.13	Measuring Growth | Subtracting Mixed Numbers With Unequal Denominators Subtract mixed numbers with unequal denominators in real-world contexts.	5.3.H **Process TEKS:** 5.1.A, 5.1.B, 5.1.D, 5.1.E, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F
5.14	Road Trip | Adding and Subtracting Mixed Numbers Solve multi-step problems involving addition and subtraction of fractions and mixed numbers with unequal denominators.	5.3.H, 5.4.F **Process TEKS:** 5.1.A, 5.1.B, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.A, 3.F, 3.G, 3.H
Sub-unit 3: Representing and Interpreting Data			
5.15	Frequent Fliers | Representing Data With Bar Graphs and Frequency Tables Create a frequency table and scaled bar graph to display fractional measurement data.	5.9.A **Process TEKS:** 5.1.A, 5.1.C, 5.1.D, 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.H, 4.D, 4.E, 4.F
5.16	Homemade Nectar | Representing Data and Solving Problems Create a dot plot and stem-and-leaf plot to display fractional measurement data.	5.9.A, 5.9.C **Process TEKS:** 5.1.A, 5.1.B, 5.1.C, 5.1.E	1.B, 1.C, 1.E, 2.B, 2.D, 2.E, 2.F, 3.E, 3.H
5.17	Wings of Wonder | Problem Solving With Dot Plots Solve problems using data from a dot plot involving operations with mixed numbers and whole numbers.	5.9.C **Process TEKS:** 5.1.B, 5.1.D, 5.1.G	1.E, 2.B, 2.D, 2.E, 2.F, 3.G, 4.D, 4.F

Unit 6: Geometry and Algebraic Reasoning

Lesson	Title	Concepts, Knowledge and Skills	TEKS	ELPS

Sub-unit 1: Hierarchies of Shapes			
6.01	Explore: Sorting Objects | How can you show categories? Sort a set of classroom objects and justify categories and subcategories.	Building Toward 5.5.A **Process TEKS:** 5.1.A, 5.1.B, 5.1.D, 5.1.E	1.E, 2.B, 2.C, 2.E, 2.F, 3.E, 3.F
6.02	Classifying Triangles | Using a Hierarchy to Classify Triangles Sort, identify, and describe equilateral, isosceles, and scalene triangles using attributes, such as side lengths and angle measurements.	5.5.A **Process TEKS:** 5.1.C, 5.1.F, 5.1.G	1.B, 1.C, 1.E, 2.B, 2.C, 2.D, 2.E, 3.B, 3.C, 3.E, 3.F, 4.C, 4.D, 4.F
6.03	Classifying Quadrilaterals | Using a Hierarchy to Classify Quadrilaterals Sort and describe quadrilaterals using attributes, such as parallel lines, angle measurements, and side lengths.	5.5.A **Process TEKS:** 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.D, 3.E, 3.F
6.04	A Question of Shape | Identifying the Most Specific Name of a Quadrilateral Use the attributes of quadrilaterals and the relationships between them to identify a mystery shape in a game.	Building Toward 5.5.A **Process TEKS:** 5.1.F, 5.1.G	1.E, 2.C, 2.D, 2.E, 2.F
6.05	Classifying Shapes in Graphic Organizers | Using Graphic Organizers to Classify Triangles and Quadrilaterals Use graphic organizers to classify quadrilaterals and triangles into categories and subcategories.	5.5.A **Process TEKS:** 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.E, 3.G
Sub-unit 2: Graphing on the Coordinate Grid			
6.06	Creating a Coordinate System | Using the Coordinate Grid to Locate Points Use the structure of the coordinate grid to precisely describe the location of points.	Building Toward 5.8.A **Process TEKS:** 5.1.D, 5.1.E	1.B, 1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.D, 3.E, 3.F, 3.G, 3.H
6.07	Bullseye! | Points on the Coordinate Grid Use ordered pairs to identify the location of points on the coordinate grid.	5.8.C **Process TEKS:** 5.1.F, 5.1.G	1.A, 1.B, 1.C, 1.D, 1.E, 1.F, 2.B, 2.E, 3.C, 3.D, 3.F
6.08	Coordinating Satellite Repairs | Graphing Points on Lines Identify and graph ordered pairs on the coordinate grid, including on horizontal and vertical lines and the axes.	5.8.C **Process TEKS:** 5.1.B, 5.1.D, 5.1.F	1.E, 1.F, 2.B, 2.C, 2.D, 2.E, 2.F
6.09	Follow My Lead | Describing the Process for Graphing Ordered Pairs Describe the process for graphing points along the x- and y-axes using whole-number	5.8.A, 5.8.B, 5.8.C **Process TEKS:** 5.1.D, 5.1.G	1.A, 1.B, 1.C, 1.E, 2.B, 2.C, 2.E, 3.C, 3.D, 3.E, 3.F

	and decimal ordered pairs.		
Sub-unit 3: Graphing Relationships			
6.10	Patterns in Tables and Graphs | Recognizing Additive and Multiplicative Relationships Analyze data in input-output tables and on graphs to determine whether the pattern represented is additive or multiplicative.	5.4.D **Process TEKS:** 5.1.B, 5.1.D, 5.1.E, 5.1.F, 5.1.G	1.E, 2.B, 2.C, 2.D, 2.E, 2.F, 3.C, 3.D, 3.E, 3.F
6.11	Graphing Patterns | Graphing Multiplicative and Additive Patterns Generate and graph numerical patterns using given rules in the form of additive and multiplicative equations.	5.4.C, 5.4.D **Process TEKS:** 5.1.D, 5.1.E	1.D, 1.E, 2.B, 2.C, 2.E, 2.F, 3.D, 3.F
6.12	Graphing Real-World Problems | Graphing Ordered Pairs Generated from Real-World Problems Graph ordered pairs from real-world scenarios on graphs and scatterplots.	5.8.C, 5.9.B, **Process TEKS:** 5.1.A, 5.1.D, 5.1.E, 5.1.F	1.B, 1.E, 2.B, 2.C, 2.D, 2.E, 3.C, 3.D, 3.F, 4.C, 4.D, 4.F