

# CALM SCOPE AND SEQUENCE OVERVIEW

Unit Title		Goals and Outcomes	Priority Standards			
		<i>“By the end of this unit, students will be able to apply their understanding of...”</i>	<i>*A portion of the standard will not be explicitly covered. See individual lessons for more information.</i>			
1	<b>Exploring Area and Perimeter with Landscape Design</b>	area, perimeter, and proportional reasoning to create a scale drawing of a backyard makeover.	2.NBT.1 4.NBT.5 6.G.1* 7.G.1*	3.MD.5 4.MD.3 6.EE.1*	3.MD.7 5.OA.1 6.EE.2*	3.MD.8 5.OA.2 6.RP.1*
2	<b>Exploring Proportional Reasoning with a T-Shirt Business</b>	proportional reasoning to create and analyze similar designs for different sizes of t-shirts.	2.MD.2 7.G.1*	2.MD.3	6.RP.1*	6.RP.3d
3	<b>Exploring Benchmark Fractions and Percents with Surveys</b>	benchmark fractions and percents to create pie charts to display survey data	1.MD.4 3.NF.3	2.MD.3 4.NF.6	3.NF.1 5.NBT.1	3.NF.2
4	<b>Exploring Visualizations with Percents and Taxes</b>	properties, measurement, and proportional reasoning with fractions, decimals, percents, and in order to calculate and compare tax rates	2.MD.10*	4.NF.6	5.NBT.1	6.RP.3c
5	<b>Exploring Visualizations with Decimals in Everyday Life</b>	properties and proportional reasoning in everyday life, such as reading scales and gauges	5.NBT.3 6.NS.6*	5.NBT.3a	5.NBT.4	5.NBT.7*
6	<b>Exploring Visualizations with Decimals and Percents at Home and with Businesses</b>	multiplication and division of decimals, fractions, and percents in order to work on a variety of real-world projects found at home and in business settings	5.NBT.2	5.NBT.7		
7	<b>Exploring Fractions and Integers with Meal Preparation</b>	benchmark fractions to solve a problem involving real world application of fractions	3.NF.1 7.NS.1a	3.NF.2 7.NS.1b	3.NF.3	6.NS.6c
8	<b>Exploring Adding and Subtracting Fractions with Boutiques</b>	adding and subtracting fractions to create a recipe for lip balm	1.OA.4 5.NF.2	4.NF.2	4.NF.3	5.NF.1

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<b>9</b>	<b>Reasoning about Multiplying and Fractions with Catering</b>	multiplication with whole numbers to estimate and visually represent multiplying with fractions	3.G.2	5.NF.4	5.NF.6	6.EE.1
<b>10</b>	<b>Reasoning about Dividing with Fractions with Pet Care</b>	fraction division in order to shop for a specialized diet for a show dog	3.OA.2	5.NF.2	5.NF.6	6.NS.1
<b>11</b>	<b>Exploring Angles, Triangles, Parallelograms, and Trapezoids with Design</b>	area of triangles, trapezoids, and parallelograms to design common items and common spaces found in their homes and learning centers	1.G.2 4.MD.6 7.EE.2 8.G.5	2.G.1 4.MD.7 7.EE.4 8.G.7	3.G.1 6.G.1 7.G.5	4.G.1 6.EE.2a 8.G.4
<b>12</b>	<b>Exploring Circles with Budgeting Your Money</b>	circumference and area of circles to determine the most cost-effective option for buying pizza	5.G.1 *7.G.6	5.G.2	*7.EE.3	7.G.4
<b>13</b>	<b>Exploring Surface Area and Volume with Marketing</b>	two-dimensional shapes to three-dimensional shapes to include rectangular solids, cubes, and square-based pyramids	5.MD.5	6.EE.1	6.G.4*	7.G.6*
<b>14</b>	<b>Exploring Cylinders with Product Design</b>	surface area and volume of cylinders to design a new popcorn bucket for a movie theater	6.G.4*	7.EE.3*	7.G.4*	7.G.6
<b>15</b>	<b>The Statistical Process – Posing the Right Question with Snack Trucks</b>	statistical reasoning process to develop appropriate questions and make informed decisions about opening a snack truck business	6.SP.1	7.SP.1	7.SP.2	
<b>16</b>	<b>Analyzing Data with Climate Change</b>	measures of central tendency and variation to write a convincing argument using data to make the case for climate change	6.SP.4*	6.SP.5*	7.SP.4	

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<b>17</b>	<b>Exploring Probability: What Are the Chances?</b>	counting and probability to create a game of chance with a given probability of winning	7.SP.5 7.SP.8b	7.SP.6 S.CP.9	7.SP.7	7.SP.8a
<b>18</b>	<b>Exploring Patterns with Banquet Tables</b>	patterns and their representations to choose an appropriate arrangement of tables for a large banquet	4.OA.5 7.RP.2a	6.RP.3	6.RP.3a	6.EE.6
<b>19</b>	<b>Exploring Linear Functions for Decision-Making</b>	linear functions to choose between summer jobs to meet their vacation savings goal	6.EE.9 8.F.4	8.EE.5 8.F.5*	8.F.1	8.F.3*
<b>20</b>	<b>Exploring Systems of Equations with Small Business</b>	linear functions to systems of linear equations to help a small business to determine the quantity of supplies to purchase to maximize their budget for a large order needing to be filled	6.EE.5*	8.EE.8a	8.EE.8c	
<b>21</b>	<b>Exploring Inequalities with Event Planning</b>	inequalities to help a catering company to utilize its budget and estimated costs from Unit 9 to determine how many servers it can hire	6.EE.5	6.EE.8	7.EE.4b	
<b>22</b>	<b>Exploring Non-Linear Functions with Tile Work</b>	factoring polynomials and solving quadratic equations in order to solve a dilemma involving differently sized tiles with applications to quadratic relationships and generalize the solution using the tools and language of quadratic relationships.	6.EE.1 A.SSE.1a F.LE.1	8.EE.1 A.SSE.2 F.LE.5	8.F.3* A.SSE.3a	8.F.5 F.IF.7