

Month	Content	Skills	Assessment	Standards (as listed under 8 th grade Common Core)
August /September	Models for addition/ subtraction Adding positive/ negative numbers Connecting addition/ subtraction Chapter 5, Sections 1-4	Determining what operation to use when given word problems Solving problems with negative numbers	Class work/Homework Negative Numbers Quiz Word Problems Quiz	F.4
October	Solving $x + a = b$ Solving $x + a < b$ Understanding $x + y = k$ Chapter 5, Sections 5- 7	Evaluating expressions to solve for unknowns	Class work/homework Evaluating Expressions Quiz Word Problems Quiz Rules for Evaluating Expression Project	EE.7 EE.8 EE.5 F.1
November	Adding and probabilities Constructions Triangle inequality Chapter 5, Sections 8 - 10	Understanding probability, using probability to describe situations Creating constructions	Class work/homework Chapter 5 Test Probability Project	EE.1 G.5

<p>December</p>	<p>Translations Reflection symmetry Rotation symmetry Tessellations Chapter 6, Sections 1- 4</p>	<p>Using coordinate points to create symmetry on a plane Modifying shapes on a plane</p>	<p>Class work/homework Symmetry Quiz Pattern Project</p>	<p>G.1 G.2 G.3</p>
<p>January</p>	<p>Angles, lines, parallel Parallelograms Triangle-Sum property Chapter 6, Sections 5 - 8</p>	<p>Using knowledge of math definitions to understand relations between shapes and angles</p>	<p>Class work/homework Parallelogram Quiz Angles Quiz Chapter 6 Test</p>	<p>G.5</p>
<p>February</p>	<p>Area model for multiplication Multiplying fractions Distributive property Chapter 7, Section 1 - 4</p>	<p>Using distributive property to determine how to solve word problems Multiplying fractions</p>	<p>Class work/homework Fractions Quiz</p>	<p>EE.8</p>

<p>March</p>	<p>Area of triangle, trapezoid, circles</p> <p>Chapter 7, Sections 5 - 6</p>	<p>Determining area of different shapes</p>	<p>Class work/homework</p> <p>Area Quiz</p> <p>House Project</p>	<p>G.4</p>
<p>April</p>	<p>Size-change model for multiplication</p> <p>Multiplication as shortcut addition</p> <p>Multiplication with negative numbers</p> <p>Multiplying probabilities</p> <p>Chapter 7, Sections 7; Chapter 8, Sections 1, 3 - 4</p>	<p>Using multiplication instead of addition in word problems</p> <p>Understanding what multiplication of negative numbers looks like on a number line</p> <p>Multiplying probabilities</p>	<p>Class work/homework</p> <p>Word Problems Quiz</p> <p>Negative Numbers Quiz</p> <p>Chapter 7 Test</p>	<p>F.3</p> <p>F.4</p>
<p>May</p>	<p>Combining percents</p> <p>Solving $ax = b$</p> <p>Solving $ax + b = c$</p> <p>Division of fractions</p> <p>Chapter 8, Sections 4, 6 - 7; Chapter 9, Section 3</p>	<p>Using percents to solve word problems</p> <p>Evaluating expressions to solve for unknowns</p> <p>Dividing fractions</p>	<p>Class work/homework</p> <p>Fractions Quiz</p> <p>Word Problem Quiz</p> <p>Final Test</p>	<p>EE.8</p> <p>EE.7</p> <p>SP.3</p>