

Topic: Operations with Rational Numbers & Algebraic Expressions		Essential Questions:		
<ul style="list-style-type: none"> • How can prior knowledge of properties be used to demonstrate the addition, subtraction, multiplication, and division of rational numbers? • How can the properties of operations be used to simplify linear expressions? 				
Standards:		Students Will Be Able To		
<ul style="list-style-type: none"> • 7.NS.2 Solve real world and mathematical problems involving the four operations with rational numbers. • 7.EE.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. 		<ul style="list-style-type: none"> • Solve real world problems with negative and positive rational numbers. • Apply the properties of operations as strategies to add and subtract linear expressions with rational coefficients. • Recognize like terms and combine like terms. 		
Vocabulary:		Assessment:		
<ul style="list-style-type: none"> • Positive numbers, negative numbers, integers, additive inverse, rational numbers, like terms, linear expressions, coefficient, constant, exponent, variable, simplify 		<ul style="list-style-type: none"> • Discussion questions • Classwork practice with partners • “Quick Checks” 		
<u>Monday:</u> <i>Operations with positive and negative Rational Numbers (fractions and decimals)</i>	<u>Tuesday:</u> <i>Operations with positive and negative Rational Numbers (fractions and decimals)</i>	<u>Wednesday:</u> <i>Substituting a Number for a Variable</i>	<u>Thursday:</u> <i>Writing Algebraic Expressions from Words</i>	<u>Friday:</u> <i>Combining Like Terms</i>
<ul style="list-style-type: none"> • Do Now review problems • Discuss “Club Budget” projects from last week • Goldilocks activity • Practice problems • HW: Operations with Integers Worksheet due Wednesday 	<ul style="list-style-type: none"> • Do Now review problems • Maze Phrase activity • HW: Operations with Integers Worksheet due Tomorrow 	<ul style="list-style-type: none"> • Do Now review problems • Go over HW • Vocabulary Flipcharts • Dice activity • Practice Problems • HW: Letters Equal Numbers and Write it Another Way Activities due Friday 	<ul style="list-style-type: none"> • Do Now review problems • Graphic Organizer on key words for the four operations • Algebraic expressions activity • HW: Letters Equal Numbers and Write it Another Way Activities due Tomorrow 	<ul style="list-style-type: none"> • Do Now review problems • Go over HW • Guided Notes on Combining Like Terms • Sorting Like Terms Tree activity • Diaper Thief and Sheep Scratch math riddles • HW: Have a good weekend!