

Topic: Inequalities & Introduction to Ratios		Essential Questions: <ul style="list-style-type: none"> • How are the properties of operations used to solve and graph inequalities? • How are inequalities used for solving real-world and or mathematical problems? • <i>In what ways can ratios of fractions be expressed as unit rates?</i> 		
Standards: <ul style="list-style-type: none"> • 7.EE.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. • 7.RP.1 <i>Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.</i> 		Students Will Be Able To <ul style="list-style-type: none"> • Decode a word problem to create an inequality based on the problem. • Solve multi-step mathematical and real-world inequalities with positive and negative rational numbers. • Illustrate the solution set on a number line. • Analyze whether the answer is reasonable. • <i>Compute unit rates with ratios of fractions.</i> 		
Vocabulary: <ul style="list-style-type: none"> • Inequality, at most, at least, maximum, minimum, solution set • <i>Unit rate, ratios, proper fractions, improper fractions, complex fractions</i> 		Assessment: <ul style="list-style-type: none"> • Discussion questions • Classwork practice with partners • “Quick Checks” • Quiz 		
<u>Monday:</u> <i>Inequality Word Problems and Multi-Step Problems</i>	<u>Tuesday:</u> <i>Word Problem, Fraction, and Decimal Review</i>	<u>Wednesday:</u> <i>No School</i>	<u>Thursday:</u> <i>Inequality Review and Quiz</i>	<u>Friday:</u> <i>Introduction to Ratios</i>
<ul style="list-style-type: none"> • Do Now review problems • Go over Equations Test • Inequality Word Problem Practice • Multi-Step Inequality Practice • Venn Diagram comparing Equations and Inequalities • HW: Inequality Review Sheet due Thursday, Quiz Thursday 	<ul style="list-style-type: none"> • Do Now review problems • Real World Dominoes Activity • Review and practice operations with fractions and decimals • HW: Inequality Review Sheet due Thursday, Quiz Thursday 		<ul style="list-style-type: none"> • Do Now review problems • Go over Inequality Review Sheet • Multi-Step Inequality and Word Problem Practice • Quiz • HW: None 	<ul style="list-style-type: none"> • Do Now review problems • Introduction to Ratios Flower Activity • Understanding Ratios Word Problems • HW: Have a good weekend!