

Mrs. Logan Advanced Math
Week 5: September 11-15

Module 2: One- and Two-Variable Equations
Topic A: Solving One-Variable Equations and Inequalities
Topic B: Multi-Step Equations and Their Solutions

	Monday September 11th	Tuesday September 12th	Wednesday September 13th	Thursday September 14th	Friday September 15th
Lesson	Lesson 5: Solving Problems Involving Equations and Inequalities	Lesson 6: Expressing Repeating Decimals as Fractions	Module 2 Topic A Quiz	Lesson 7: Solving Multi-Step Equations	Equation Practice
Pages	75-91	93-107	5-107	111-130	
We will...	solve inequalities, model situations with inequalities and equations and identify any restrictions to solution sets.	use equations to write repeating decimals as fractions.	explore algebraic expressions and one-variable equations and inequalities.	solve equations that have a variable on both sides of the equal sign.	solve expressions and equations using a variety of properties.
Bell Ringer	Inequality and Equation Stations	Place Value	Quiz Prep	Variables on Both Sides	Combine Like Terms
Exit Ticket	Solve and Graph the Solution Set	Fraction Form	Quiz Feedback	Solving and Determining if Linear	Linear or Not
I will...	solve inequalities and identify restrictions to their solution sets and solve real-world problems using equations and inequalities.	use equations to write the fraction form of any repeating decimal.	solve equations and inequalities including modeling real-world situations and solving them to determine solution sets.	solve multi-step equations in one variable with variables on both sides of the equations and determine if an equation is a linear equation.	solve single and multi-step equations with one variable and determine linearity.
Reminders		Module 2 Topic A (M2TA) Study Guide on my Canvas by end of school today.	M2TA Quiz: Lesson 1-6 Equation Puzzle due by end of class.		Half Day for Homecoming.

State	7.EE.A.1. Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients to include multiple grouping symbols (e.g., parentheses, brackets, and braces).
	7.EE.A.2. Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related.
	7.G.B.5. Use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angle in a figure.
	7.EE.B.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.

Standards

7.EE.B.4.a. Solve word problems leading to equations of the form $px+q=r$ and $p(x+q)=r$, where p , q , and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach.

8.EE.C.7.b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.

7.EE.B.4.b. Solve word problems leading to inequalities of the form $px+q>r$, $px + q \geq r$, $px + q < r$, or $px + q \leq r$, where p , q , and r are specific rational numbers. Graph the solution set of the inequality and interpret it in the context of the problem.

8.EE.C.7.b. Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.