

Teacher: Dava Griffin
Class: 8th Grade Math
Week: Aug 8-12, 2022

Standard:

8.EE.7a: a. Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x = a$, $a = a$, or $a = b$ results (where a and b are different numbers).

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

Essential Question(s):

- If both sides of an equation have the same variable term then the constant term must be _____ for an equation to have infinitely many solutions
- If both sides of an equation have the same variable term then the constant term must be _____ for an equation to have no solution.

"I Can" Statements:

- Recognize one-variable linear equations with one solution ($2x+3=7$ or $5x + 3 = 3x + 7$).
- Recognize one-variable linear equations with no solution ($5x + 3=5x + 7$).
- Recognize one-variable linear equations with infinite solutions ($2x + 5 = 2x + 5$).
- Give examples of one-variable linear equations with one solution.
- Give examples of one-variable linear equations with no solution.
- Give examples of one-variable linear equations with infinite solutions.

THIS WEEK'S OUTLINE:

Monday:

Class Starter

- Find the mistake and solve the equation correctly.

Instructional Input

- The teacher will model and explain how to solve equations with special cases; special cases such as equations whose result will either be no solution, infinitely many solutions/all real numbers, or one solution.

Guided Practice: Group Work

- The students will solve equations with special cases. Students will randomly be chosen to come to the board to show their work.

Homework

- Solving equations with special cases.

Tuesday:

Class Starter

- On edulastic, students will solve and answer equations with special cases.

Guided Practice

- Students will work a group activity that involves them solving equations with special cases.

Wednesday:

Class Starter

- Students will turn in Homework from Monday
- The students will get computers and log in iReady

Instructional Input

- The teacher will explain to the students the purpose and expectations of iReady Diagnostic.

Independent practice

- The students will start their iReady Diagnostic

Thursday

Class Starter

- The students will get their computers and log into iReady

Instructional Input

- The teacher will reiterate the importance of the iReady diagnostic, and explain to the students the purpose and expectations of/for the iReady Diagnostic.

Independent Work

- The students will continue their i Ready diagnostic
- Early finishers will complete/start on an extra credit coloring activity that requires them to solve multi step equations (some started on last week).

Friday

Class Starter

- Find and fix the mistake of equations with variables on both sides. (the teacher will be walking around guiding the students through this activity).

Checking for understanding

- The teacher and students will go over the homework that students turned in on Wednesday.
- The teacher will address common mistakes and misconceptions.

Instructional Input

- The teacher will explain and model how to write and solve equations with variables on both sides of the equation.

Guided Practice

- The students will practice writing and solving equations with variables on both sides of the equation.