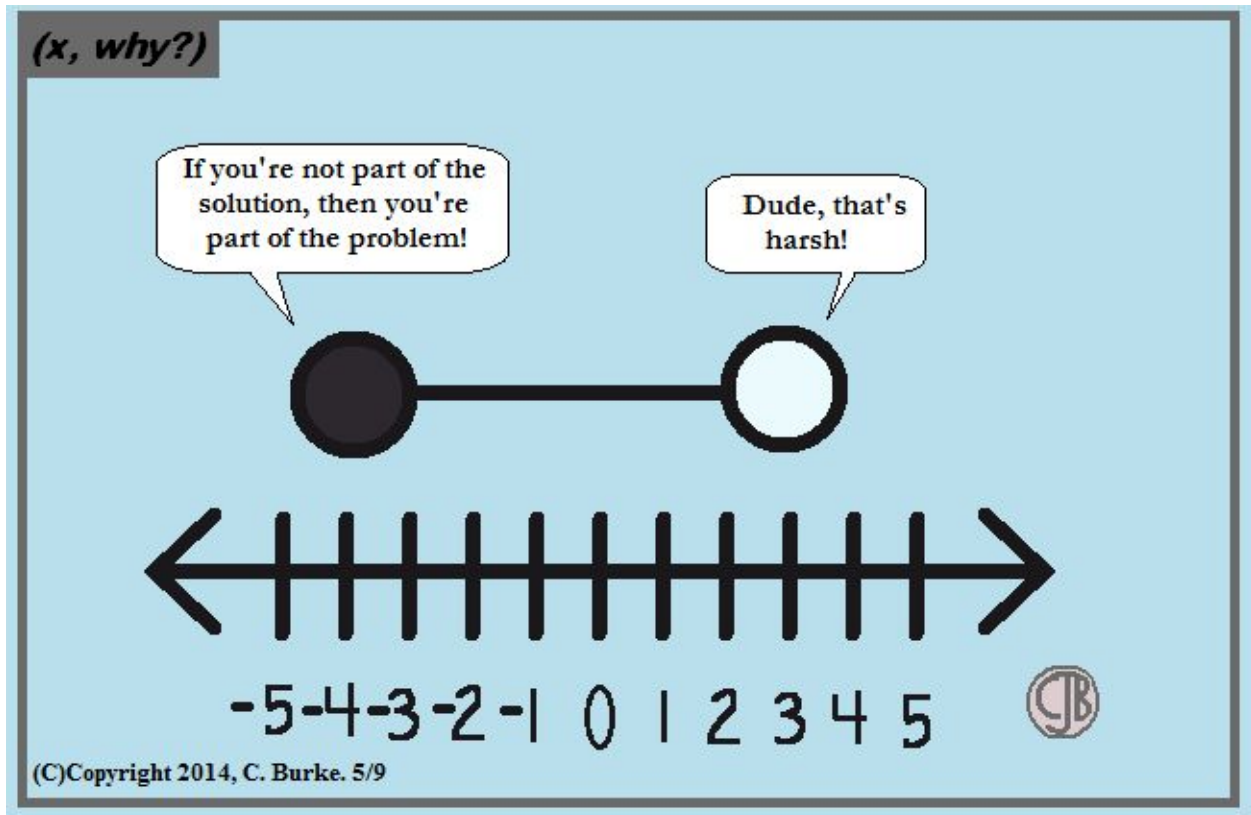


Algebra 1

Quarter 2 Unit 3: Solving Inequalities



"Mathematics is not about numbers, equations, computations, or algorithms; it is about understanding." –William Paul Thurston

overview

In the previous unit, we learned how to solve equations. We also learned how to set up a word problems into an equation and even started graphing some of the equations. In this unit, we will use what we learned in the previous unit and apply it to inequalities.

guiding question 4: How can we use inequalities to describe intervals on the real number line.

lessons

<p>Monday 11/26 Tuesday 11/27</p>	<p>Intro to Inequalities Objectives: Students will: <ul style="list-style-type: none"> • write linear inequalities. • sketch graphs of linear inequalities. • write linear inequalities from graphs. Vocabulary: inequality, solution set Task: Toe the Line Practice Set: IXL K.1- Graph inequalities IXL K.2- Write inequalities from graphs</p>
<p>Thursday 11/29 Friday 11/30</p>	<p>Solving Inequalities Objectives: Students will: <ul style="list-style-type: none"> • solve inequalities by adding or subtracting. • solve inequalities by multiplying or dividing by a positive number. • solve inequalities by multiplying or dividing by a negative number. Vocabulary: equivalent inequalities Performance Task: Planning Electrical Circuits Practice Set: IXL K.8- Solve two-step linear inequalities</p>
<p>Monday 12/03 Tuesday 12/04</p>	<p>More Practice with Solving Inequalities</p>
<p>Thursday 12/06 Friday 12/07</p>	<p>Compound Inequalities Objectives: Students will: <ul style="list-style-type: none"> • write and graph compound inequalities. • solve compound inequalities. Vocabulary: Compound inequality Practice Set: IXL K.13: Write compound inequalities from graphs IXL K.15: Graph solutions to compound inequalities</p>
<p>Monday 12/10 Tuesday 12/11</p>	<p>Absolute Value Inequalities Objectives: Students will: <ul style="list-style-type: none"> • solve absolute value inequalities. Vocabulary: absolute value inequality, absolute deviation Practice Set:</p>

	IXL L.4: Graph solutions to absolute value inequalities
Thursday 12/13 Friday 12/14	Practice Solving all types of Inequalities Objectives: Students will: <ul style="list-style-type: none"> • use linear equations to solve real-life examples Practice Set: Word problems example worksheet.
Monday 12/17 Tuesday 12/18	Vocab due today Assessment:

Assignment Guidelines:***Individual Work***

Vocabulary: (Create a Graphic Organizer, Mind Map, or Flash Cards for the vocab words of each section.)

- Due on the day of the Assessment

Practice Sets: You will find the problems in the textbooks located in the classroom **OR** in the pdf form on Google Classroom. You must complete the whole set and include a a reflection for full credit.

- Due the class after it is assigned
- Note: Late assignments are subject to 25% penalty. Assignments older than two weeks will not be accepted.

Warm Ups: In class the first five minutes of class.

Group

Tasks: Due as set by deadline