Algebra 1 - Unit 3: Solving Inequalities

Content Area: **Mathematics**
Course(s): **Math 6, Generic Course**
Time Period: **Generic Time Period**
Length: **#12 days**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

MA.A-CED.A.2	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
MA.A-REI.B.3	Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How can related values that are not equivalent be represented?
- How do we solve for a variable in an inequality?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- The rules for solving inequalities are the same rules for solving equations.
- Values that are not equivalent can be represented by using >, <, or =.

Content

Students will be able to:

- Write an inequality.
- Solve an inequality
- Graph an inequality.
- Explain he difference between "and" "or" statements.

Vocabulary:

- Is greater than
- Is less than
- Is greater then or equal to
- Is less than or equal to

- Compound inequality
- Absolute Value
- Union
- Intersection
- Solution
- Empty set

Assessments

Resources
- Pearson textbook and online resources
- Teacher made flip-charts
- Web-based activities (mathplayground.com) (coolmath.com)
- Teacher made worksheets/assessments
- NJCTL.org (PMI math)
- Pizzazz series of worksheets