

7th Grade Math (Unit 2): Equations & Inequalities

Student Name: _____

NOTE: You will conference with the teacher after you have completed your Pretest Analysis form and begin working on your Pathway.

Graduation Competency 3: The student creates, interprets, uses and analyzes patterns of algebraic structures to make sense of problems.

Performance Indicator(s)

- c. Represent and analyze quantitative relationships between dependent and independent variables
- b. Reason about and solve one-variable equations and inequalities

Placement Assessment results (please ATTACH your analysis sheet): _____ Post Assessment results: _____

DOK Level to begin on for Performance Indicator: _____ Teacher Initials: _____

Academic Goal: _____

Career Goal: _____

<p>Learning Target I can write and solve equations that require two steps. (PS) DOK 2 (If you ask students to do an error analysis the LT becomes a DOK 3)</p>	<p>DOK 4 Extended Thinking and Reasoning</p>	<p>DOK 3 Strategic Thinking, Complex Reasoning</p> <p>-Complete-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Snowball Fight Error Analysis <input type="checkbox"/> Algebraic Proofs 	<p>DOK 2 Skills and Concepts, Basic Reasoning</p> <p>-Complete One</p> <ul style="list-style-type: none"> <input type="checkbox"/> Solving Two-Step Equations + Explaining <input type="checkbox"/> Algebra Magic (Frameworks Task) <input type="checkbox"/> Geology Rocks Equations (Frameworks Task) <input type="checkbox"/> Student Choice <p>-Complete-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Deconstructing Word Problems (Frameworks Task) <p>-Odysseyware Track-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete the following assignments on Odysseyware: -- Two-Step Equations 	<p>DOK 1 Recall and Reproduction</p> <p>-Complete-</p> <ul style="list-style-type: none"> <input type="checkbox"/> What is an equation? (Virtual Nerd Video) <input type="checkbox"/> Direct Instruction <input type="checkbox"/> One-Step Equation Practice <p>-Complete-</p> <ul style="list-style-type: none"> <input type="checkbox"/> One-Step Equation Race + Feedback <input type="checkbox"/> Two-Step Equations - Direct Instruction <p>-Options-</p> <ul style="list-style-type: none"> <input type="checkbox"/> One-Step Equation foldable <input type="checkbox"/> Two-Step Equation foldable <p>-Odysseyware Track-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete the following assignments on Odysseyware: -- Translating Word Sentences -- Solving Equations Using Mental Math -- Solving Equations Using Addition and Subtraction -- Solving Equations Using Multiplication and Division
<p>Learning Target I can write and solve inequalities that require two steps. (PS) DOK 2 (If you ask students to do an error analysis the LT becomes a DOK 3)</p>	<p>DOK 4 Extended Thinking and Reasoning</p>	<p>DOK 3 Strategic Thinking, Complex Reasoning</p> <p>-Odysseyware Track-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Performance Task #2 <p>--Complete</p> <ul style="list-style-type: none"> <input type="checkbox"/> Population Equations (Culminating Framework Task) 	<p>DOK 2 Skills and Concepts, Basic Reasoning</p> <p>-Complete Two-</p> <ul style="list-style-type: none"> <input type="checkbox"/> T.V Shows & Video Games (Frameworks Task) <input type="checkbox"/> Inequalities Matching Mania <input type="checkbox"/> Writing and Graphing Inequalities from Word Problems <input type="checkbox"/> 	<p>DOK 1 Recall and Reproduction</p> <p>-Complete-</p> <ul style="list-style-type: none"> <input type="checkbox"/> What is an inequality? (Virtual Nerd Video) <input type="checkbox"/> Direct Instruction: Flip Flop and The Golden Rule of Inequalities <p>-Odysseyware Track-</p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete the following assignments on Odysseyware: -- Working with Inequalities -- Solving One-Step Inequalities -- Solving Two-Step Inequalities

Self-Reflection

Explain this Unit in your own words.

What did you do well in this Unit?

What are some things you still need to work on?

What are some things you would change about the assignments/activities?