



Math 6B

Unit #4: Equations

<u>Lesson:</u>	<u>Resources:</u>
Lesson 1: Unit Introduction	This lesson is meant to act as a preview or introduction for the rest of the unit. No new skills were learned during this lesson. Nothing to turn in.
Lesson 2: True Equations	<p>Objective: We will be able to describe how to solve an equation by finding the values that make the equation true.</p> <p>Keywords:</p> <ul style="list-style-type: none"> - Equation - Solution of an Equation - Substitute <p>Other Links:</p> <ul style="list-style-type: none"> - LiveLesson Presentation
Lesson 3: Solve Equations by Adding and Subtracting	<p>Objective:</p> <ul style="list-style-type: none"> - We will be able to solve one-step equations involving addition - We will be able to solve one-step equations involving subtraction <p>Keywords:</p> <ul style="list-style-type: none"> - Equation - Inverse Operation - Variables

<p>Lesson 4: Solve Equations by Dividing</p>	<p>Objective:</p> <ul style="list-style-type: none"> - We will be able to Solve equations by using division. - We will solve for a whole when a percent and a part are given. <p>Keywords:</p> <ul style="list-style-type: none"> - Coefficient - inverse operations - Variable - Fraction - part to whole - Percent - Ratio <p>Other Links:</p> <ul style="list-style-type: none"> - Math With Mr. J: Solving Equations by Multiplying and Dividing <p>Mr. G's Videos</p> <ul style="list-style-type: none"> - Skill #1: Solving equations using division - Practice #s 5, 1 and 2 - Practice #4 - Skill #2: Converting percentages into decimals - Practice #3 - Quick Check #2 - Quick Check #3
<p>Lesson 5: Solving Equations by Multiplying</p>	<p>Objective:</p> <ul style="list-style-type: none"> - We will be able to solve equations by multiplying! <p>Keywords:</p> <ul style="list-style-type: none"> - Reciprocal - Multiplication - Inverse Operation - Isolating the Variable <p>Mr. G's Videos</p> <ul style="list-style-type: none"> - Skill #1: Inverse Operation (Practice #1) - Skill #2: Multiplying by the Reciprocal - Practice #2 and #3 - Practice #4

	Practice #5 Setting Up Story Problems (QC 3-5)
Lesson 6: Types of Variables in Equations	Objective: We will be able to identify independent and dependent variables Keywords: <ul style="list-style-type: none"> - Independent Variable - Dependent Variable
Lesson 7: Write Equations	Objective: We will be able to write an equation by using information from a story problem. Keywords: <ul style="list-style-type: none"> - Independent Variable - Dependent Variable
Lesson 8: Compare Representations	Objective: We will analyze the relationship between the dependent variables and the independent variables shown in tables and graphs representing real-world situations. Keywords: <ul style="list-style-type: none"> - Independent Variable - Dependent Variable - Variable
<u>Lesson 9: PORTFOLIO</u> <u>Compare Representations Portfolio</u>	<p>"OH NO A PORTFOLIO!!!" you might be thinking. But fear not! I've got you covered. Using the following videos to help you figure out how to complete the portfolio!</p> <p> Question #1 Question #2 Question #3 Question #4 Question #5 Question #6 </p>
Lesson 10: Expressions Apply	Sample Work
Lesson 11: Expressions Review	Practice Test

