

**Mrs. Logan Advanced Math  
Week 8: October 2-4**

**Module 2: One- and Two-Variable Equations  
Topic C: From Ratio Relationships to Proportional Relationships**

	Monday October 2nd	Tuesday October 3rd	Wednesday October 4th	Thursday October 5th	Friday October 6th
Lesson	Lesson 16: Applying Proportional Reasoning	Module 2 Topic C Quiz	Introduction to Percents and Conversions	<h1>FALL BREAK</h1>	
Pages	247-262	197-262			
We will...	solve multi-step problems involving ratios and rates.	build on ratio and rate reasoning to solved proportional relationship problems.	being to develop an understanding of percents as a rate per 100.		
Bell Ringer	Road Trip	Quiz Prep	Conversion		
Exit Ticket	Charity Bike-a-Thon	Quiz Feedback	Part, Whole and Percent		
I will...	represent rate problems as proportional relationships with equations.	identify and analyze proportional relationships in tables, equations, graphs and written descriptions.	convert between fractions, decimals and percents to understand the meaning of numbers in various forms.		
Reminders	M2TC Study Guide on Canvas today.	Module 2 Topic C Quiz.	Conversion Worksheet today for a grade.		

**State Standards**

- 7.EE.B.3. Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies.
- 7.RP.A.1. Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units
- 7.RP.A.3. Use proportional relationships to solve multi-step ratio and percent problems of simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, and percent error.
- 7.RP.A.2.a. Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin.
- 7.RP.A.2.b. Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.
- 7.RP.A.2.c. Represent proportional relationships by equations.

7.RP.A.2.d. Explain what a point  $(x, y)$  on the graph of a proportional relationship means in terms of the situation, with special attention to the points  $(0, 0)$  and  $(1, r)$  where  $r$  is the unit rate.