# Mrs. Logan 7th Grade Math
## Week 3: August 28 - September 1
### Module 1: Ratios and Proportiaonal Relationships
### Topic B: Working with Proportional Relationships

| | Monday August 28th | Tuesday August 29th | Wednesday August 30th | Thursday August 31st | Friday September 1st |
|---|---|---|---|---|---|
| Lesson | Lesson 9: Comparing Proportional Relationships | Lesson 10: Applying Proportional Reasoning | Lesson 11: Constant Rates | Lesson 12 and 13: Multi-Step Ratio Problems Part 1 and 2 | Module 1 Topic B Quiz |
| Pages | 121-132 | 133-146 | 147-160 | 133-160 | 95-186 |
| We will… | learn about proportional relationships and the steepness of the lines that represent them. | use equations to help us answer questions about proportional relationships. | solve a series of multi-step problems involving rates and ratios. | solve a series of multi-step problems involving ratios and rates. | analyze, compare and solve problems involving proportional reasoning. |
| Bell Ringer | Comparing Graphed Relationships | Solve One-Step Equations | Historical Math Problem | Equations from Tables | Quiz Prep |
| Exit Ticket | Unit Rate Comparison | Equations in Proportionality | Rates in Written Descriptions | Understanding Multiple Equations | Quiz Feedback |
| I will... | Explain how to use the point (1,r) to find the unit rate of a proportional relationship. | Represent proportional relationships as equations and solve problems by applying proportional reasoining. | Represent rate problems as proportional relationships with equations. | solve multi-step ratio problems using proportional reasoning. | identify and use the constant of proportionality to solve for unknown proportional relationship values. |
| Reminders | | | Sprint Today for grade- One-Step Equations | Quiz tomorrow!<br><br>Study Guide will be posted on my Canvas. | Module 1 Topic B Quiz |
| State Standards | 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. | | | | |
| | 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. | | | | |