

Mrs. Logan Advanced Math
Week 9: October 10-13

Module 2: One- and Two-Variable Equations
Topic D: Percents and Proportional Relationships

| | Monday October 9th | Tuesday October 10th | Wednesday October 11th | Thursday October 12th | Friday October 13th |
|-------------|------------------------------|--|---|--|---|
| Lesson | Teacher Inservice | Lesson 20: Commissions, Fees and Taxes | Lesson 21: Discount, Markup, Sales Tax, and Tip | Lesson 22: Percent Increase and Percent Decrease | Lesson 23: What is the Best Deal? |
| Pages | | 305-321 | 323-337 | 339-351 | 353-360 |
| We will... | | solve percent problems involving commissions, fees and taxes. | use percents to determine discounted and marked-up prices and totals after taxes and tips. | learn how we can use percents to understand increases and decreases. | explore how to use coupons to get the lowest combined subtotal. |
| Bell Ringer | | Job Choice | Better Discount | Price Increase | Where to Order? |
| Exit Ticket | | Different Fees | Movie Theatre | College Attendance | 3-2-1 |
| I will... | | apply percents in the real-world contexts of commissions, fees and taxes. | apply percents in the real-world contexts of discounts, markups, sales tax and tips. | solve percent problems in real- world context that involve percent change. | calculate multiple discounts, discounted prices and total amount after tax and tip. |
| Reminders | | | | | 1st 9 weeks is almost over! Make sure your check your grades. |

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| 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.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.c. Represent proportional relationships by equations. |
| | 7.EE.A.2. Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. |