# 2023 - 2024 Mr. Nihart

Monday 12/11/2023	Tuesday 12/12/2023	Wednesday 12/13/2023	Thursday 12/14/2023	Friday 12/15/2023
7th Grade 2.6 - Sales, Tax, Tips, Markups Learning Target	7th Grade 2.6 - Sales, Tax, Tips, Markups Learning Target	7th Grade 2.7 - Discounts Learning Target Students will be able to solve	7th Grade 2.7 - Discounts Learning Target Students will be able to solve	No School Day No School Day
Students will be able to solve problems involving financial literacy, such as sales tax, tips, and markup. Standards	Students will be able to solve problems involving financial literacy, such as sales tax, tips, and markup. Standards	problems involving discounts.Standards7.EE.3Solve 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. For example: If a woman making \$25 an hour gets a 10% raise, she will make an additional 1/10 of her salary an hour, or \$2.50, for a new salary of \$27.50. If you want to place a towel bar 9 3/4 inches long in the center of a door that is 27 1/2 inches	problems involving discounts.         Standards         7.EE.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	
<b>7.EE.2</b> 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. For example, a + 0.05a = 1.05a means that "increase by 5%"is the same as "multiply by 1.05 "	<b>7.EE.2</b> 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. For example, a + 0.05a = 1.05a means that "increase by 5%"is the same as "multiply by 1.05 "			
Instruction Warm Up: #55 Vocab: tax, tips, gratuity, markup - walk through the examples and Got It ?'s - Partner Practice (Guided Practice 1- 4) - time to start on 2.6 Go Formative homework	Instruction Warm Up: #56 Vocab: tax, tips, gratuity, markup - discuss how to find the percent of tax, tip, and mark up (3 examples) - Think, Pair, Share: #25 p. 158		using mental computation and estimation strategies. For example: If a woman making \$25 an hour gets a 10% raise, she will make an additional 1/10 of her salary an hour, or \$2.50, for a new salary of \$27.50. If you want to place a towel bar 9 3/4 inches long in the center of a door that is 27 1/2 inches	so of answers computation n strategies. For voman making ets a 10% make an ) of her salary .50, for a new 50. If you want el bar 9 3/4 the center of a 7 1/2 inches
Assessment 2.6 Go Formative (due Wednesday) 8th Grade 3.8 - Solving Systems Algebraically	<ul> <li>8 question Quizizz (finding tax, tip, markup, and percent)</li> <li>winning class earns Extra Credit on test</li> <li>leftover time to complete 2.6 McGraw Hill and 2.7 EDPuzzle</li> </ul>	wide, you will need to place the bar about 9 inches from each edge; this estimate can be used as a check on the exact computation.	wide, you will need to place the bar about 9 inches from each edge; this estimate can be used as a check on the exact computation.	

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#### Learning Target - hand out Ch. 2 Study Warm Up: #57 Guides Vocab: discounts, Students will be able to solve markdown a system of linear equations Assessment discuss and talk thro algebraically. finish 2.6 Go Formative; 2.7 Got It ?'s Standards **EDPuzzle** - go over 6 examples 8.EE.8 Analyze and solve (using 2.7 Quizizz less 8th Grade pairs of simultaneous linear students come up to 3.8 - Solving Systems equations. (using Wheel) Algebraically 8.EE.8b Solve systems of Assessment Learning Target two linear equations in two 2.7 Completion Chec variables algebraically, and Students will be able to solve - 1st: p. 165 (16 - 18, estimate solutions by a system of linear equations - 3rd Period: p. 164 algebraically. graphing the equations. Solve p. 165 (17 - 20) simple cases by inspection. Standards For example, 3x + 2y = 5 and Dan Meyer's 3 Act Ma 8.EE.8c Solve real-world 3x + 2y = 6 have no solution http://threeacts.mrmey and mathematical problems /duelingdiscounts/ because 3x + 2y cannot leading to two linear simultaneously be 5 and 6. equations in two variables. 8.EE.8c Solve real-world For example, given 8th Grade and mathematical problems coordinates for two pairs of Learning Target leading to two linear points, determine whether the Students will be able equations in two variables. line through the first pair of what they have learne For example, given points intersects the line Ch. 3; rate of change. coordinates for two pairs of through the second pair. slope-intercept form, s points, determine whether the 8.EE.8b Solve systems of of equations. line through the first pair of two linear equations in two points intersects the line Instruction variables algebraically, and through the second pair. Warm Up: #59 estimate solutions by Vocab: all from Ch. 3 graphing the equations. Solve Instruction - student work day to simple cases by inspection. Warm Up: #57 for test For example, 3x + 2y = 5 and Vocab: system of - assign them the Ch. 3 Go 3x + 2y = 6 have no solution equations, substitution Formative because 3x + 2y cannot method, elimination - questions are instant check simultaneously be 5 and 6. method so that students can receive 8.EE.8 Analyze and solve Lesson: immediate feedback pairs of simultaneous linear - today will be a work day for - YouTube videos inserted majority of the class equations. into the Go Formative incase Instruction

ough a class son) explain	It Thursday Vocab: discounts - Check over completion check - work day on Shopping Spree Activity - must buy 8 items with given coupons			
ck , 20)	- Include 6.5% sales tax - due tomorrow - can use calculator			
(9 - 10),	Assessment Shopping Spree Activity			
ath:	8th Grade			
ver.com	Ch. 3 Review Day			
	OIL S KEVIEW Day			
	Learning Target			
	Learning Target Students will be able to recall			
	Learning Target Students will be able to recall what they have learned from Ch. 3.			
to recall ed from slope, system	Learning Target Students will be able to recall what they have learned from Ch. 3. Standards 8.EE.6 Use similar triangles to explain why the slope m is the same between any two distinct points on a non-			

Warm Up: #58 - Talk About

### Instruction

Warm Up: #60 - Talk About It Thursday Vocab: all from Ch. 3 - students will play the game risk for the review game today

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<ul> <li>solve two systems of equations together again (using 3.8 Flipchart)</li> <li>discuss any word problems that might be a struggle setting up and set up together</li> <li>the rest of the class time (30 minutes) the students will have to continue their work on the 3.8 Go Formative.</li> </ul> Assessment finish 3.8 Go Formative	Warm Up: #58 Vocab: system of equations, substitution method, elimination method - students will be put into groups of three - students will be practicing solving systems using the carousel activity - students solve problems one step at a time, rotate, and then analyze other groups work before solving the next step - students will continue this process until the first problem is completed - students will get graded on the poster that they complete the final step on - if finished early students can work on their Ch. 3 study guide Assessment Solving Systems Carousel Activity	the students need on the lesson Assessment Ch. 3 Go Formati

a refresher	- I will pass out NFL team cards to split students into		
ive Review	groups of 4 - today's review will be focused on rate of change, slope, and writing linear equations since we have spent the past two weeks on systems of equations - use the 3.1 - 3.6 Canva Presentation to play the game - Ch. 3 test on Monday		
	Assessment		
	Study for test - complete study guide		