

Any standard **highlighted in yellow** has been determined by our WCSD teachers, district and state experts as essential for students to master.

Strand: Analyze proportional relationships and use them to solve real-world and mathematical problems (7.RP.1-3)			
Standard 7.RP.1: Compute unit rates associated with ratios of fractions, including ratios of lengths, areas and other quantities measured in like or different units.			
<p>Learning Targets</p> <ul style="list-style-type: none"> Extend the concept of a unit rate to include ratios of fractions. Compute a unit rate, involving quantities measured in like or different units. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> ratio, rate, unit rate 	<p>Question Stems</p> <ul style="list-style-type: none"> What would happen if....? How else might you have solved the problem? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Ratios/Proportional Relationships Form A District CFA Ratios/Proportional Relationships Form B
Standard 7.RP.2: Recognize and represent proportional relationships between quantities			
<p>Learning Targets</p> <ul style="list-style-type: none"> Decide whether two quantities are in a proportional relationship. Identify the constant of proportionality/unit rate in tables, graphs, equations, diagrams, and verbal descriptions. Represent proportional relationships by equations. Explain what a point (x,y) on the graph of a proportional relationship means in terms of the situation. Determine if two quantities are in a proportional relationship by testing equivalent ratios, by graphing and checking for a straight line through (0,0). 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> unit rate, constant of proportionality, origin 	<p>Question Stems</p> <ul style="list-style-type: none"> What decisions can you make from the pattern that you discovered? Convince me! Tell me what is the same? Tell me what is different? How do you know? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Ratios/Proportional Relationships Form A District CFA Ratios/Proportional Relationships Form B

Strand: Analyze proportional relationships and use them to solve real-world and mathematical problems (7.RP.1-3)

Standard 7. RP.3: Use proportional relationships to solve multi-step ratio and percent problems.

Learning Targets	Academic Vocabulary & Notation	Question Stems	Possible Assessments
<ul style="list-style-type: none"> • Use proportional reasoning to solve multi-step ratio and multi-step percent problems. • Write proportions from various contexts. 	<ul style="list-style-type: none"> • percent error, gratuity, commission, markup, markdown, simple interest, percent increase, percent decrease 	<ul style="list-style-type: none"> • What other math can you connect to this? • I remember when we.... • I could make this clearer by... 	<ul style="list-style-type: none"> • <u>District CFA Ratios/Proportional Relationships Form A</u> • <u>District CFA Ratios/Proportional Relationships Form B</u>