

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

Strand: Understand ratio concepts and use ratio reasoning to solve problems.			
Standard 6.RP.1: I understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.			
<p>Learning Targets</p> <ul style="list-style-type: none"> Understand the relationship between parts and wholes. Distinguish when a ratio is describing part to part or part to whole comparison. Describe ratio relationships between two quantities. Translate, and communicate, relationships between two quantities using the notation of ratio language (1:3, 1 to 3, 1/3) 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> ratio, terms of ratio (i.e, the numbers used in a ratio are called its terms), :, / 	<p>Question Stems</p> <ul style="list-style-type: none"> What questions arose as you worked? What changes did you have to make to solve the problem? What was the most challenging part of the task? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Ratios/Proportional Reasoning
Standard 6.RP.2: I understand the concept of a unit rate a/b associated with a ration a/b with $b \neq 0$, and use rate language in the context of a ratio relationship.			
<p>Learning Targets</p> <ul style="list-style-type: none"> Understand that a rate is a special ratio that compares two quantities with different units of measure. Understand that unit rates are the ratio of two measurements in which the second term is one. Understand that when using rates a/b “b” cannot be 0. Solve problems involving ratios. Correctly use ratio notation and models to represent relationships between quantities. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> each, @, equivalent ratio, rate, ratio, unit rate, per 	<p>Question Stems</p> <ul style="list-style-type: none"> What would happen if.....? How else might you have solved the problem? Convince me this is correct answer! 	<p>Possible Assessments</p> <ul style="list-style-type: none"> District CFA Ratios/Proportional Reasoning

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Standard 6.RP.3: I can use ratio and rate reasoning to solve real-world and mathematical problems (e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations).

Learning Targets	Academic Vocabulary & Notation	Question Stems	Possible Assessments
<ul style="list-style-type: none"> • Make tables of equivalent ratios relating quantities with whole number measurements, find missing values in the tables, and plot the pairs of values on the coordinator plane. • Use tables to compare ratios. • Understand that oops such as tables of equivalent ratios support the development of ratio and rate reasoning. • Plot pairs of values from a table to a coordinate plane. • Solve unit rate problems including those involving unit pricing and constant speed. • Solve unit rate problems including those involving unit pricing and constant speed. • Find the percent of a quantity as a rate per 100. • Solve problems involving finding the whole, given a part and the percent. • Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities. 	<ul style="list-style-type: none"> • coordinate plane, tables of equivalent ratios, value table, equivalent ratios notation ($a/b=c/d$) or a is to b as c is to d; ratio, unit rate, %, percent, convert, power of 10 notation 10^x 	<ul style="list-style-type: none"> • I found _____ challenging because.... • The most important thing I learned today is..... • How do you know? 	<ul style="list-style-type: none"> • <u>District CFA Ratios/Proportional Reasoning</u>

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