

<b>Standard(s)</b>	<b>MGSE6.RP.3d</b> Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities. <b>MGSE6.RP.3d</b> Given a conversion factor, use ratio reasoning to convert measurement units within one system of measurement and between two systems of measurements (customary and metric); manipulate and transform units appropriately when multiplying or dividing quantities.		<b>MGSE6.RP.3a</b> Make tables of equivalent ratios relating quantities with whole number measurements, find missing values in tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios. <b>MGSE7.RP.2</b> Recognize and represent proportional relationships between quantities. <b>MGSE7.RP.2a</b> 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. <b>MGSE7.RP.2b</b> Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships. <b>MGSE7.RP.2c</b> Represent proportional relationships by equations. For example, if total cost $t$ is proportional to the number $n$ of items purchased at a constant price $p$ , the relationship between the total cost and the number of items can be expressed as $t = pn$ . <b>MGSE7.RP.2d</b> 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.		
<b>Essential questions Or "I Can..." statements</b>	<b>Monday</b>  How can ratios and proportions help convert units of measure?	<b>Tuesday</b>  How can ratios and proportions help convert units of measure?	<b>Wednesday</b>  How can I use tables, graphs or equations to determine whether a relationship is proportional?	<b>Thursday</b>  How do I verify if two quantities are directly proportional?	<b>Friday</b>  See unit plan.
<b>Warm-up</b>	#32	#33	#34	#35	#36
<b>Opening</b>				Give graph and ask questions about unit rate and the equation	
<b>Work Session</b>	Using proportions to convert units of measure	Using proportions to convert units from system to system	-intro to graphing proportional relationships, rate of change p 278-282 P 282 #28 is great example Wb 83-84	-foldable...4 examples -p 281 #10 + 20	Ratio round-up activity in the hallway
<b>Homework</b>	Weekly sheet 8				
<b>Closing</b>					
<b>Materials needed</b>	Homework copied		Sample questions, graph paper	Foldable copied	Answer sheet and clipboards
<b>Assessment for understanding</b>	Formative-	Formative- check for understanding	Formative- calling on students	Formative-checking foldable	Formative-grade review activity for accuracy