

Content: Math		Grade Level: 6th
Standard: 6.RP.3d		
Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.		
I can statements:		
<ul style="list-style-type: none"> I can determine if rates are equivalent I can manipulate units appropriately when multiplying and dividing. I can establish ratios to convert measurements within a system. 		
Score 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught.	Sample Activities
		<p>How many centimeters are in 7 feet, given that 1 inch \approx 2.54 cm.</p> <p style="text-align: center;"><u>Solution:</u></p> <p style="text-align: center;">7 feet x 12 inches x 2.54 cm = 7 x 12 x 2.54 cm = 213.36 cm</p> <p>Note: Conversion factors will be given. Conversions can occur both between and across the metric and English system. Estimates are not expected.</p>
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial success.	
Score 3.0	The student can solve real world problems involving conversion of measurement units.	Your heart beats 240 times in 4 minutes. What is your heart rate, in beats per second?
	The student exhibits no major errors or omissions.	Answer: 1 beat per second
	2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.	
Score 2.0	There are no major errors or omissions regarding the simpler details and processes. However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	Decide whether the rates are equivalent.
	The student can identify equivalent rates.	$\frac{24 \text{ laps}}{6 \text{ minutes}}, \frac{72 \text{ laps}}{18 \text{ minutes}}$ <p>Answer: yes</p>
	1.5 Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content.	
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.	
	0.5 With help, a partial understanding of the 2.0 content, but not the 3.0 content.	
Score 0.0	Even with help, no understanding or skill demonstrated.	