|  |  |
| --- | --- |
| **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:* 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** |
| How many centimeters are in 7 feet, given that 1 inch ≈ 2.54 cm.***Solution:***7 feet x 12 inches x 2.54 cm =7 x 12 x 2.54 cm = 213.36 cm**Note:** Conversion factors will be given. Conversions can occur both between and across the metric and English system. Estimates are not expected. |
|  | **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.****The student exhibits no major errors or omissions.** | Your heart beats 240 times in 4 minutes. What is your heart rate, in beats per second?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.****The student can identify equivalent rates.** | Decide whether the rates are equivalent.Answer: yes |
|  | **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.** |