|  |  |  |  |
| --- | --- | --- | --- |
| **LG #** | **813** | **Standards:** | **8.G.3.9** |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.****The student will be able to:*** Convert units of volume within and between measurement systems to solve real-world problems.

**No major errors or omissions regarding the score 4.0 content.** |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. |
| **3.0** | **Students will be able to solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.****The student will be able to:*** [Know and apply the formula for finding the volume of a cone. (8.G.3.9)](http://www.cpalms.org/Public/PreviewResource/Preview/70911)
* [Know and apply the formula for finding the volume of a sphere. (8.G.3.9)](http://www.cpalms.org/Public/PreviewResource/Preview/64646)
* Solve real-world problems involving the volume of [cones](http://www.cpalms.org/Public/PreviewResource/Preview/70961), [cylinders](http://www.cpalms.org/Public/PreviewResource/Preview/71035), and [spheres](http://www.cpalms.org/Public/PreviewResource/Preview/71059). (8.G.3.9)

**No major errors or omissions regarding the score 3.0 content (simple or complex).** |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. |
| **2.0** | **The student recognizes and describes specific terminology such as:**

|  |  |  |
| --- | --- | --- |
| * Volume
 | * Area
 | * Radius
 |
| * Cone
 | * Base
 | * Units
 |
| * Cylinder
 | * Pi ($π$)
 | * Square units
 |
| * Sphere
 | * Diameter
 | * Cubic units
 |

**The student will be able to:*** Determine the area of a circle. (8.G.3.9)
* [Know and apply the formula for finding the volume of a cylinder. (8.G.3.9)](http://www.cpalms.org/Public/PreviewResource/Preview/70924)
 |
| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. |
| **1.0** | With 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 some of the simpler details and processes and some of the more complex ideas and processes. |
| **0.0** | Even with help, no understanding or skill is demonstrated |