Unit 4f-Volume

Content Area: **Mathematics**
Course(s): **Math 7 Pre-Algebra Honors**
Time Period: **Marking Period 4**
Length: **WK 9-10 Go Math! Advanced 2 Module 21**
Status: **Published**

Essential Questions

- How do you find the volumes of a cylinder, cone, or sphere?

Big Ideas

Solve real world and mathematical problems involving volumes of cylinders, cones, and spheres.

CSDT Technology Connection

8.1.8.DA.1 Organize and transform data collected using computational tools to make it usable for a specific purpose

Enduring Understandings

Geometry

8.G.C.9 Know the formulas for the volume of cones, cylinders, and spheres and use them to solve real-world and mathematical problems.

Mathematical Practices Focus

1. Make sense of problems and persevere in solving them. Lesson 21.3

2. Reason abstractly and quantitatively. Lesson 21.2, 21.3

3. Construct viable arguments and critique the reasoning of others. Lesson 21.1, 21.2, 21.3

4. Model with mathematics. Lesson 21.1, 21.2, 21.3
5. Use appropriate tools strategically. Lesson 21.1, 21.2, 21.3

6. Attend to precision. Lesson 21.1, 21.2, 21.3

7. Look for and make use of structure. Lesson 21.1, 21.3.