Math Grades 7 – 9 Volume Reading Level: 9.4

MA.7.G.5.1 MA .912.G.7.7

The Essential Writings of Ralph Waldo Emerson

"History" Ralph Waldo Emerson

Activity:

- 1. There is mention of a sphere in the reading. If Mr. Emerson is referring to the earth, with radius is 6, 378.1 kilometers, calculate the volume of the earth.
- 2. If the ratio of the radii of two spheres is 1 to 2, what is the ratio of the two volumes?
- 3. Find the surface area of the earth.
- 4. If the radius of a sphere is tripled, how is the surface area affected?