

Lesson 1.5.8: Volume of a Sphere

Targets:

1. I understand how to find the volume of a sphere.

For this lesson you will be using Khan Academy.

- First you will watch a video about the Volume of a sphere.
- Then you will do some practice problems on this sheet.
- Then you will do a Khan Academy Activity for your Exit Ticket

Video: Volume of a Sphere

In order to access this video, follow these steps:

1. Go to Khan Academy
2. Choose the subject "Geometry" and view the full list of Geometry content
3. Choose the "Perimeter, Area, and Volume" module
4. Scroll down to the "Volume and surface area" section
5. Choose the video called "volume of a sphere"

Here is space for you to take notes on the example from the video:

Formula for Volume of a Sphere

What is the formula for the volume of a sphere?

$$V =$$

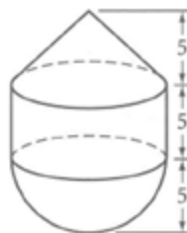
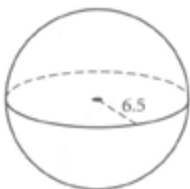
Practice:

For the following figures, find the exact volume AND the approximate volume.

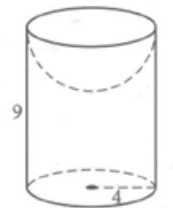
1.) Volume = _____

2.) Volume = _____

3.) Volume = _____



Cylinder with hemisphere taken out of the top



Exit Ticket

Khan Academy Activity: **Volume word problems with cones, cylinders, and spheres**