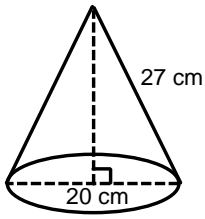
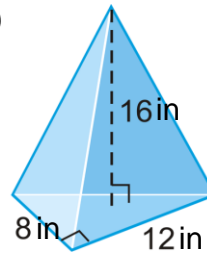


**Warm Up:** Calculate the volume of the following.

a)



b)



### VOLUME OF A SPHERE

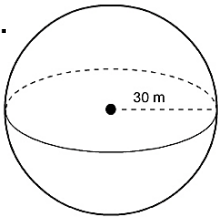
A sphere can be filled with \_\_\_\_\_ cones of the same \_\_\_\_\_ and same \_\_\_\_\_.

Volume of a Sphere =

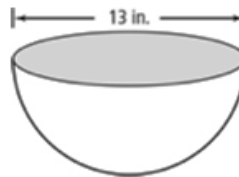
### Examples:

Find the volume of the following solids.

1.



2.



3. A large propane tank is shown in the diagram. If the tank has a diameter of 40 inches and a length (from end to end) of 16 feet, determine the volume of the tank in gallons.

Recall: 1 foot = 12 inches AND 1 cubic inch = 0.004329 US gal

