

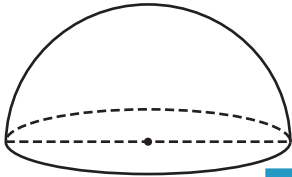
Name : \_\_\_\_\_

## Volume - Sphere and Hemisphere

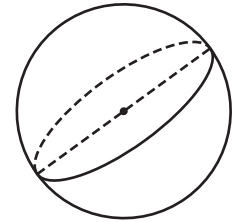
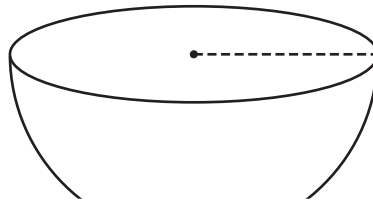
L2S2

A) Find the indicated measure. Round your answer to the nearest tenth.  
(use  $\pi = 3.14$ )

- 1) Volume = 5,036.78 ft<sup>3</sup>      2) Volume = 46,944.61 yd<sup>3</sup>      3) Volume = 17.15 in<sup>3</sup>

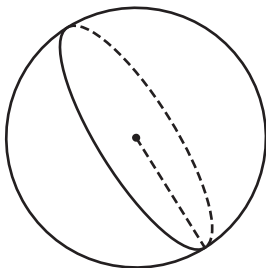


diameter = \_\_\_\_\_



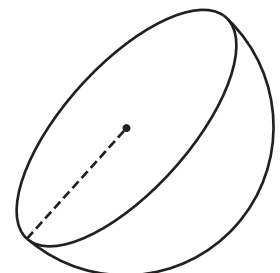
diameter = \_\_\_\_\_

- 4) Volume = 381.51 in<sup>3</sup>



radius = \_\_\_\_\_

- Volume = 8,256.76 yd<sup>3</sup>



radius = \_\_\_\_\_

- 7) Find the diameter of the sphere.  
Round your answer to the nearest tenth.

Volume = 1,048.58 cubic feet. Round your answer to the nearest tenth.

**PREVIEW**

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

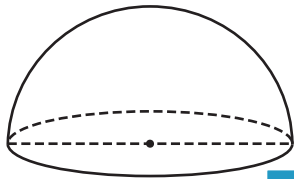
[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

- 8) The volume of a sphere is 83,325.18 cubic yards. Determine the radius of the sphere. Round your answer to the nearest tenth. (use  $\pi = 3.14$ )

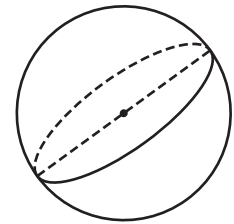
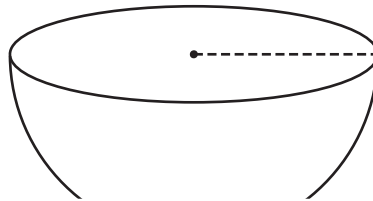
**Volume - Sphere and Hemisphere**

A) Find the indicated measure. Round your answer to the nearest tenth.  
(use  $\pi = 3.14$ )

- 1) Volume = 5,036.78 ft<sup>3</sup>      2) Volume = 46,944.61 yd<sup>3</sup>      3) Volume = 17.15 in<sup>3</sup>

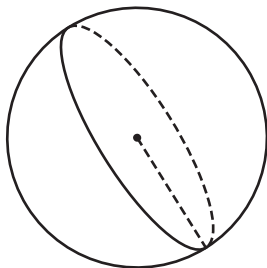


diameter = 26.8 ft



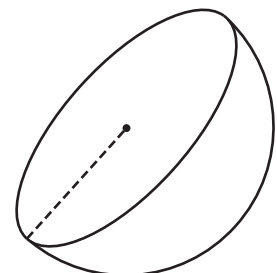
diameter = 3.2 in

- 4) Volume = 381.51 in<sup>3</sup>



radius = 4.5 in

Volume = 8,256.76 yd<sup>3</sup>



radius = 15.8 yd

- 7) Find the diameter of the sphere.  
Round your answer to the nearest tenth.

38.6 feet

- 8) The volume of a sphere is 83,325.18 cubic yards. Determine the radius of the sphere.  
Round your answer to the nearest tenth. (use  $\pi = 3.14$ )

27.1 yards

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)