

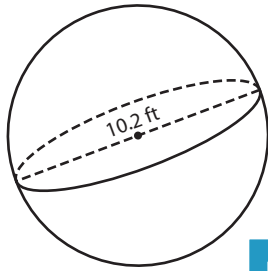
Name : _____

Decimals: S1

Volume - Sphere and Hemisphere

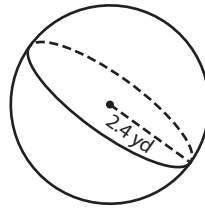
A) Find the volume of each sphere and hemisphere. Round your answer to two decimal places. (use $\pi = 3.14$)

1)



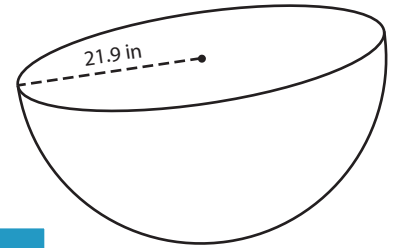
Volume = _____

2)

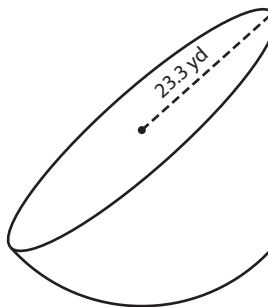


Volume = _____

3)



4)



Volume = _____

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Volume = _____

7) The radius of a sphere is 12.5 feet. Find the volume of the sphere. Round your answer to two decimal places.

Round your answer to _____

8) Determine the volume of a hemisphere whose diameter is 17.8 yards. Round your answer to two decimal places. (use $\pi = 3.14$)

Name : _____

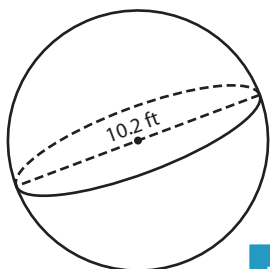
Answer key

Decimals: S1

Volume - Sphere and Hemisphere

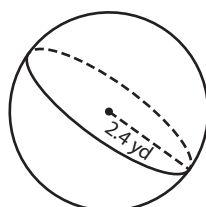
A) Find the volume of each sphere and hemisphere. Round your answer to two decimal places. (use $\pi = 3.14$)

1)



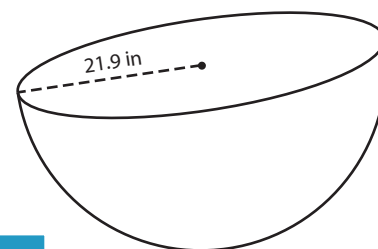
Volume = 555.37

2)

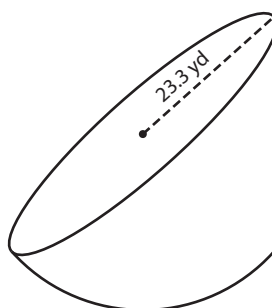


Volume = 21,987.24 in³

3)



4)



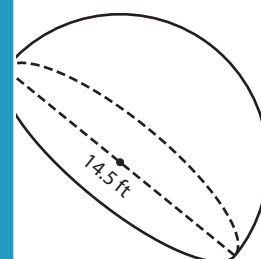
Volume = 26,479.2

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Volume = 797.72 ft³

7) The radius of a sphere is 15.2 feet. Find the volume of the sphere. Round your answer to two decimal places.

3,154.95 cubic feet

Round your answer to two decimal places.

8) Determine the volume of a hemisphere whose diameter is 17.8 yards. Round your answer to two decimal places. (use $\pi = 3.14$)

1,475.74 cubic yards