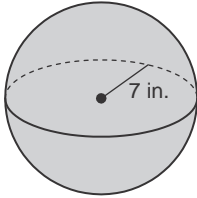


12-6 Skills Practice

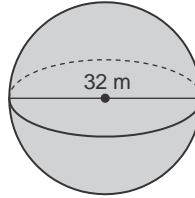
Surface Areas and Volumes of Spheres

Find the surface area of each sphere or hemisphere. Round to the nearest tenth.

1.



2.

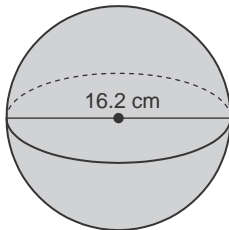


3. hemisphere: radius of great circle = 8 yd

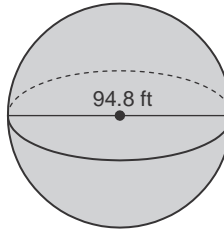
4. sphere: area of great circle $\approx 28.6 \text{ in}^2$

Find the volume of each sphere or hemisphere. Round to the nearest tenth.

5.



6.



7. hemisphere: diameter = 48 yd

8. sphere: circumference of a great circle $\approx 26 \text{ m}$

9. sphere: diameter = 10 in.