

Name _____

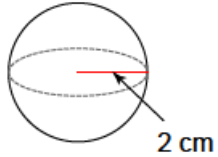
Volume of Spheres and Real-World Problems

Hour _____

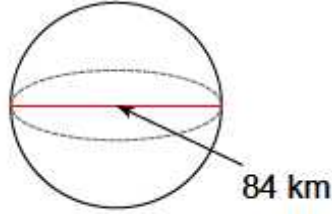
Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

***Remember the 4-step process. 1. Formula 2. Replace with numbers. 3. Solve 4. Label

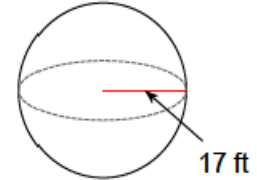
1.)



2.)



3.)



Draw a picture and label it first. Then solve it using the 4-step process.

- 4.) This building has a base of 90 feet and a height of 200 feet.
Find the total amount of space inside the building.



- 5.) These candy corns have a diameter of 2 cm and a height of 6 cm. How much candy does it take to make one piece of candy corn?



6.) This set of pool balls has been designed with a special plastic material that prevents chipping. If each pool ball has a radius of 1.5 inches, how much special plastic material do we need to make a set of pool balls?



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7.) A Monster Energy can has a radius of 1.2 inches and a height of 7 inches.
A Red Bull can has a radius of 0.8 inches and a height of 5.5 inches. Find the volume of each.



How many times larger is the Monster Energy can than the Redbull can?

(hint: make a ratio $\frac{\text{Monster}}{\text{Redbull}}$)