



Name

Score

Solve and show all steps.

<p>A spherical beach ball has a radius of 9 inches. What is the volume of air it can hold?</p>	<p>Show all steps here</p>
<p>A small marble has a diameter of 2.5 cm. Calculate the volume of the marble.</p>	<p>Show all steps here</p>
<p>A spherical water tank has a radius of 3 meters. If the tank is completely full, what is the volume of water it contains in cubic meters? (Leave your answer in terms of π).</p>	<p>Show all steps here</p>
<p>The volume of a sphere is approximately 268.08 cubic inches. What is the approximate radius of this sphere?</p>	<p>Show all steps here</p>
<p>A hemispherical (half-sphere) bowl has a radius of 7 cm. If the bowl is filled to the brim, what is the volume of water it can hold?</p>	<p>Show all steps here</p>



Solve and show all steps.

The beach ball can hold approximately **3052.08 cubic inches** of air.

The volume of the marble is approximately **8.18 cubic cm**.

36π cubic meters

The approximate radius of the sphere is **4.00 inches**.

The bowl can hold approximately **718.01 cubic cm** of water.