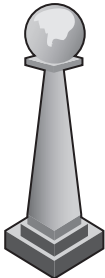


Lesson 3 Problem-Solving Practice

Volume of Spheres

<p>1. DESSERT A scoop of ice cream is in the shape of a sphere. The diameter of the scoop of ice cream is 2.5 inches. Find the volume of the ice cream. Round to the nearest tenth. 8.2 in³</p>	<p>2. TOYS A playground ball has a radius of 7.5 inches. Find the volume of the ball. Round to the nearest tenth. 1,767.1 in³</p>
<p>3. GLOBE A globe has a diameter of 14 inches. Find the volume of the globe. Round to the nearest tenth. 1,436.8 in³</p>	<p>4. JEWELRY Jackie is using spherical beads to create a border on a picture frame. Each bead has a diameter of 1.5 millimeters. Find the volume of each bead. Round to the nearest tenth. 1.8 mm³</p>
<p>5. DECORATION A glass ball is used to decorate a garden. The radius of the ball is 25 centimeters. Find the volume. Round to the nearest tenth. 8,181.2 cm³</p> 	<p>6. BALLOONS Mrs. McCullough is purchasing balloons for a party. Each spherical balloon is inflated with helium. How much helium is in the balloon if the balloon has a radius of 9 centimeters? Round to the nearest tenth. 3,053.6 cm³</p>