

6-9**Practice: Word Problems****Geometry: Circles and Circumference**

<p>1. PLATES A manufacturing company is producing dinner plates with a diameter of 12 inches. They plan to put a gold edge on each plate. Determine how much gold edging they need for each plate by finding the circumference of each plate. Round to the nearest tenth.</p>	<p>2. MONEY A dime has a radius of $8\frac{1}{2}$ millimeters. Find the circumference of a dime to the nearest tenth.</p>
<p>3. MERRY-GO-ROUND Mr. Osterhout is putting trim around the edge of a circular merry-go-round that has a diameter of 15 feet. How much trim does he need to buy to the nearest tenth?</p>	<p>4. PIZZA Find the circumference of a pizza with a diameter of 10 inches. Round to the nearest tenth.</p>
<p>5. RACING A circular racetrack has a diameter of $\frac{1}{2}$ mile. How far does a car travel in one lap around the track? Round to the nearest tenth.</p>	<p>6. TIRE A bicycle tire has a radius of 15 inches. What is the circumference of the tire? Round to the nearest tenth.</p>
<p>7. EQUATOR Earth's diameter at the equator is 7,926 miles. Find the distance around Earth at its equator to the nearest tenth.</p>	<p>8. SATURN The ring system around Saturn has a diameter of 170,000 miles. Find the circumference of the ring system.</p>

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Practice: Word Problems

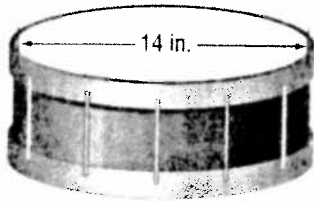
Area of Circles

1. POOLS Susan designed a circular pool with a diameter of 25 meters. What is the area of the bottom of the pool? Round to the nearest tenth.

2. MONEY Find the area of the coin to the nearest tenth.

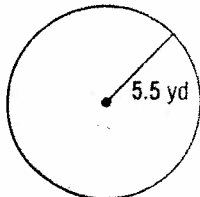


3. DRUMS What is the area of the drumhead on the drum shown below? Round to the nearest tenth.



4. PIZZA Estimate the area of the top of a round pizza that has a diameter of 16 inches. Round to the nearest tenth.

5. GARDENING Jane needs to buy mulch for the garden with the dimensions shown in the figure. For how much area does Jane need to buy mulch? Round to the nearest tenth.



6. UTILITIES What is the area of the top surface of a circular manhole cover that has a radius of 30 centimeters? Round to the nearest tenth.