

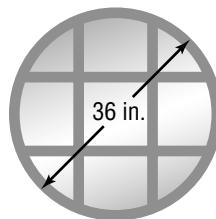
**7-2****Practice: Word Problems*****Circumference and Area of Circles***

**1. FOUNTAINS** The circular fountain in front of the courthouse has a radius of 9.4 feet. What is the circumference of the fountain? Round to the nearest tenth.

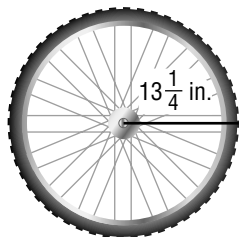
**2. PETS** A dog is leashed to a point in the center of a large yard, so the area the dog is able to explore is circular. The leash is 20 feet long. What is the area of the region the dog is able to explore? Round to the nearest tenth.

**3. GARDENING** A flowerpot has a circular base with a diameter of 27 centimeters. Find the circumference of the base of the flowerpot. Round to the nearest tenth.

**4. WINDOWS** Find the area of the window shown below. Round to the nearest tenth.



**5. BICYCLES** A bicycle tire has a radius of  $13\frac{1}{4}$  inches. How far will the bicycle travel in 40 rotations of the tire? Round to the nearest tenth.



**6. LANDSCAPING** Joni has a circular garden with a diameter of  $14\frac{1}{2}$  feet. If she uses 2 teaspoons of fertilizer for every 25 square feet of garden, how much fertilizer will Joni need for her entire garden? Round to the nearest tenth.