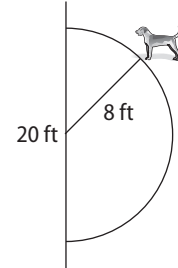


Lesson 2 Problem-Solving Practice

Area of Circles

1. Doug ordered a circular pizza. The length of the edge of each slice from the crust to the center is 9 inches. What is the area of the pizza? Round to the nearest tenth.

2. Carl's dog, Buddy, is on an 8-foot leash that is attached to the center of a 20-foot fence. How much space does Buddy have to roam around? Round to the nearest tenth.



3. Mr. Margulies bought four new stools for her kitchen. Each stool top has a diameter of 14 inches. Mr. Margulies wants to make pads for each stool. The padding is three cents per square inch. How much will Mr. Margulies spend in padding for the four stools?

4. Josh has a large plastic disc that he uses to play catch with his dog. The disc has a radius of 6 inches. What is the area of the disc? Round to the nearest tenth.

5. At Paco's Pizza Shop, a large pizza has a diameter of 16 inches. A small pizza has a diameter of 12 inches. What is the area of the small pizza? What is the area of the large pizza? Round to the nearest tenth.

6. Refer to the information in Exercise 5. A large pizza costs \$9.95 and a small pizza costs \$5.95. Which pizza is a better deal? Explain.