

1. Janet baked a pizza with a radius of 4 inches. What is the diameter?
2. Nancy argued with Joan that the radius is twice the diameter. Joan argued that the diameter is half the circumference. Who is correct? Explain your reasoning.

Describe the relationship between the radius and diameter of a circle.

Ann wanted to find the circumference of a cooler shaped like a bobber. She opened the lid and measured the cooler from one edge to the other and discovered it was 10 inches across. How can she use this measure.

- to find the circumference of the cooler? (Use 3.14 for π .) Round to the nearest hundredth.
5. What is the area of a circle whose diameter is 4 cm? (Use 3.14 for π .) Round to the nearest hundredth.