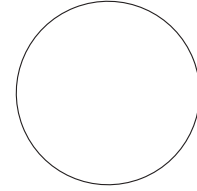


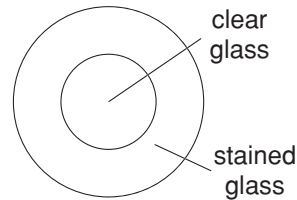
LESSON
10-2 **Practice C**
Circles and Circumference

Use the circle to answer each question.

1. Label the center of the circle P .
2. Draw and label its diameter \overline{RO} .
3. Label point Q on the circle. Then name three radii.



A builder is putting in a circular window. The inner circle is clear glass, and the outer circle is stained glass. Find the circumference by using $\frac{22}{7}$ as an estimate for π .



4. If the diameter of the clear glass is 4 feet, what is its circumference to the nearest hundredth?
5. If the radius of the stained glass is 6 feet, what is its circumference to the nearest hundredth?

$C \approx$ _____

$C \approx$ _____

Find each missing value to the nearest hundredth. Use 3.14 as an estimate for π .

6. $C = 87.92$ in.

$d =$ _____

7. $C = 15.7$ m

$r =$ _____

8. The diameter of a sandwich cookie is 1.75 inches. To the nearest tenth, what is the combined area of the two wafer parts of the sandwich cookie? Use 3.14 as an estimate for π .

9. A circle of 50 flags surrounds the Washington Monument in Washington, D.C. The diameter of the circle is about 238 feet. What is the circumference of the circle of flags?