

STUDY LINK
10•9

Area and Circumference



Circle the best measurement for each situation described below.

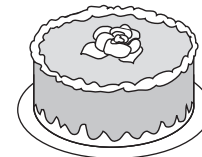
1. What size hat to buy (*Hint: The hat has to fit around a head.*)

area circumference perimeter



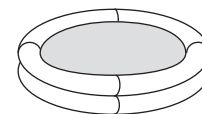
2. How much frosting covers the top of a round birthday cake

area circumference perimeter



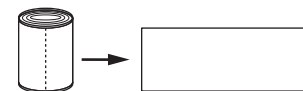
3. The amount of yard that will be covered by a circular inflatable swimming pool

area circumference perimeter



4. The length of a can label when you pull it off the can

area circumference perimeter



Fill in the oval next to the measurement that best completes each statement.

$$\text{Area of a circle: } A = \pi * r^2$$

$$\text{Circumference of a circle: } C = \pi * d$$

5. The radius of a circle is about 4 cm. The area of the circle is about

12 cm² 39 cm² 50 cm² 25 cm²

6. The area of a circle is about 28 square inches. The diameter of the circle is about

3 in. 6 in. 9 in. 18 in.

7. The circumference of a circle is about 31.4 meters. The radius of the circle is about

3 m 5 m 10 m 15 m

8. Explain how you found your answer for Problem 7.
