



Objective: REVIEW

Day 2

B. Calculate each value using the formula for the circumference of a circle.
Use $\pi = 3.14$ and round to the nearest hundredth.

1. The circumference of a circle is 56 centimeters. Calculate the diameter of the circle.

2. The circumference of a circle is 25.12 centimeters. Calculate the radius of the circle.

3. The circumference of a circle is 112.8 millimeters. Calculate the diameter of the circle.

4. The circumference of a circle is 49.6 inches. Calculate the radius of the circle.

5. The circumference of a circle is 47.73 millimeters. Calculate the diameter of the circle.

6. The circumference of a circle is 56.52 centimeters. Calculate the radius of the circle

C. Calculate the area of each circle described. Use $\pi = 3.14$ and round to the nearest hundredth.

1. The diameter of a circle is 3 centimeters.

2. The radius of a circle is 2.5 centimeters.

3. The radius of a circle is 6 inches.

4. The diameter of a circle is 10 millimeters.

5. The diameter of a circle is 16 inches.

6. The radius of a circle is 4 centimeters.

D. Solve each problem. Let $\pi = 3.14$. Round your answer to the nearest hundredth, if necessary.

1. You need to replace the cover for a light in your bathroom. The light cover is a circle. The circumference of the light cover is 43.96 inches. What are the radius and diameter of the light cover? What is the area of the light cover?

2. You order a pizza for dinner. The circumference of the pizza is 31.4 inches. What are the radius and diameter of the pizza? What is the area of the pizza?

**3. You are responsible for setting the table for dinner. Each place setting has a circular dinner plate. The circumference of the dinner plate is 37.68 inches. What are the radius and diameter of the dinner plate?
What is the area of the dinner plate?**

4. You collect coins. One of your favorite coins is a silver-colored coin showing a man's portrait. The radius of the coin is 12 millimeters. What is the diameter of the coin? What is the circumference of the coin? What is the area of the coin?

5. You buy a new wheel for your bicycle. The diameter of the bicycle wheel is 22 inches. What is the radius of the bicycle wheel? What is the circumference of the bicycle wheel? What is the area of the bicycle wheel?

**6. Your friend orders a new cover for his round swimming pool. The area of the pool cover is 200.96 square feet. What are the radius and diameter of the pool cover?
What is the circumference of the pool cover?**

E. Calculate the circumference or area to solve each problem. Let $\pi = 3.14$. Round your answer to the nearest hundredth, if necessary.

1. Jaleesa is buying a round backyard pool. The distance around the edge of the pool is 38 feet. Find the area that the pool will cover.

2. Belinda is digging a round flower garden in her backyard. She has 19 feet of rubber edging to place around the garden. What is the area of the new garden?

3. Carlos is spreading mulch in a circle on top of an area where he has planted some seeds. He has enough mulch to cover an area that is 12.5 square feet. How much rubber edging does Carlos need to encircle the mulch that will cover the seeds?

4. Jose is adding mulch to an existing round flower bed. The length of the rubber edging around the flower bed is 25.12 feet. What is the area that Jose needs to cover with mulch?

5. Eva is decorating for a birthday party. She would like to add a paper streamer around the edge of a round table. The table covers an area of 19.5 square feet. What is the minimum length of the paper streamer Eva needs?

6. Nami is adding a mosaic pattern to the top of a small round table. The distance around the edge of the table top is 4.7 feet. What is the area that Nami needs to cover with the mosaic pattern?