

43. How to calculate the circumference of a circle



Scenario Questions: Round answers to 2 decimal places, use $\pi = 3.14$

1. The radius of a circular pie is 3.5 centimeters. What is the total distance around the edge of the pie, or its circumference, assuming π (pi) equals 3.14?

2. The diameter of a hula hoop is 0.8 meters. What is the distance covered by one full rotation of the hoop, or its circumference, assuming π (pi) equals 3.14?

3. Sarah is making a circular tablecloth. The radius of the tablecloth is 1.25 meters. What is the length of the outer edge of the tablecloth, or its circumference, assuming π (pi) equals 3.14?

4. A circular pond has a diameter of 7.5 feet. What is the distance around the pond, or its circumference, assuming π (pi) equals 3.14?

5. The radius of a circular pizza is 0.6 meters. What is the total distance around the edge of the pizza, or its circumference, assuming π (pi) equals 3.14?

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6. The diameter of a target for archery is $\frac{2}{3}$ of a foot. What is the total distance around the outer edge of the target, or its circumference, assuming π (pi) equals 3.14?

7. A circular garden has a radius of 1.5 yards. What is the length of the outer edge of the garden, or its circumference, assuming π (pi) equals 3.14?

8. The diameter of a bike wheel is $\frac{3}{4}$ of a meter. What is the distance covered by the bike wheel during one full rotation, or its circumference, assuming π (pi) equals 3.14?

9. A circular swimming pool has a radius of 3.2 feet. What is the total distance around the pool, or its circumference, assuming π (pi) equals 3.14?

10. The radius of a circular clock is 2.25 inches. What is the length of the outer edge covered by the minute hand in 1 hour, or its circumference, assuming π (pi) equals 3.14?

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Scenario Questions: **Answers**

1. The radius of a circular pie is 3.5 centimeters. What is the total distance around the edge of the pie, or its circumference, assuming π (pi) equals 3.14?

1. Circumference = 21.98 cm

2. The diameter of a hula hoop is 0.8 meters. What is the distance covered by one full rotation of the hoop, or its circumference, assuming π (pi) equals 3.14?

2. Circumference = 2.51 meters

3. Sarah is making a circular tablecloth. The radius of the tablecloth is 1.25 meters. What is the length of the outer edge of the tablecloth, or its circumference, assuming π (pi) equals 3.14?

3. Circumference = 7.85 meters

4. A circular pond has a diameter of 7.5 feet. What is the distance around the pond, or its circumference, assuming π (pi) equals 3.14?

4. Circumference = 23.55 feet

5. The radius of a circular pizza is 0.6 meters. What is the total distance around the edge of the pizza, or its circumference, assuming π (pi) equals 3.14?

5. Circumference = 3.77 meters

6. The diameter of a target for archery is $\frac{2}{3}$ of a foot. What is the total distance around the outer edge of the target, or its circumference, assuming π (pi) equals 3.14?

6. Circumference = 2.09 feet

7. A circular garden has a radius of 1.5 yards. What is the length of the outer edge of the garden, or its circumference, assuming π (pi) equals 3.14?

7. Circumference = 9.42 yards

8. The diameter of a bike wheel is $\frac{3}{4}$ of a meter. What is the distance covered by the bike wheel during one full rotation, or its circumference, assuming π (pi) equals 3.14?

8. Circumference = 2.36 meters

9. A circular swimming pool has a radius of 3.2 feet. What is the total distance around the pool, or its circumference, assuming π (pi) equals 3.14?

9. Circumference = 20.10 feet

10. The radius of a circular clock is 2.25 inches. What is the length of the outer edge covered by the minute hand in 1 hour, or its circumference, assuming π (pi) equals 3.14?

10. Circumference = 14.13 inches