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Area and Circumference of a Circle Worksheet II

Q.1 The distance from the midpoint of a circle to any point on the circumference of that circle is called the_____.

Q.2 The longest chord of a circle is called _____

Q.3 If the circumference of a circle is 18 units, the radius of the circle will be _____.

Q.4 Find the area of a circle with a radius of 6 units?

Q.5 Find the circumference of a circle having a radius of 8 units?

Q.6 A thin wire is bent to form a circle. If the length of the wire is 14units. What is the radius of the circle?

Q.7 A pizza has an area of 144sq units. Find the radius of the pizza.



Q.8 If the circumference of a bicycle wheel is 25.13in, find the diameter of that wheel.

Q.9 The radius of a wheel is 40 in. Find the distance covered by a wheel in 10 seconds, if it revolves 5 times per second. (find the answer in meter)



Q.10 A circular sheet of radius 6 units is cut out from a circle of radius 13 units. Find the area of the remaining sheet.

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in an interesting way,
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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

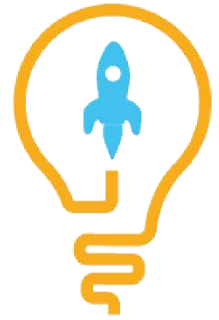
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1. radius	2. diameter	3. 9units	4.113.1 sq. units	5. 50.27 units
6. 7units	7. 12 units	8. 8in	9. 12560 inch or 319.024 m	10. 417.83 sq. unit

FUN FACT

1. The world is about 25,000 miles in circumference.
2. Eratosthenes estimated the Earth's circumference with only 15% error, long ago using math without ever leaving Egypt.
3. Among all shapes with the same area, the circle has the smallest perimeter.

