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THE MATH EXPERT

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For Grades 1 - 10

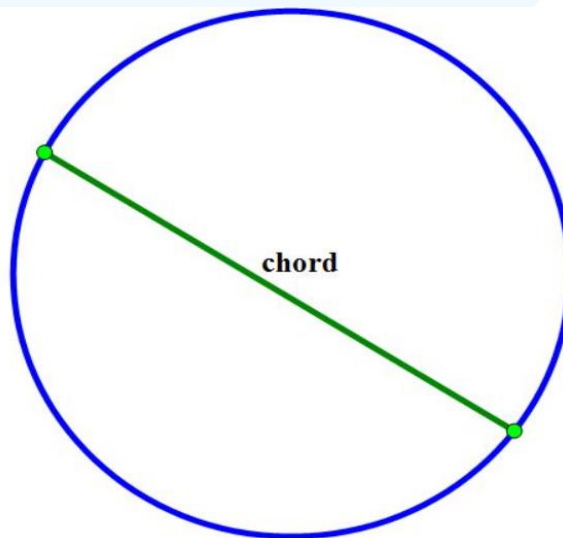LIVE online classes by trained and certified experts.

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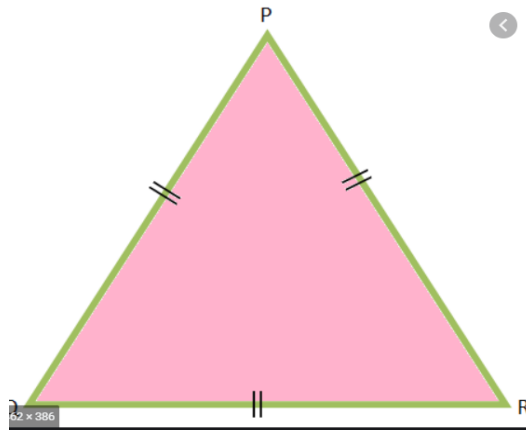
7th Grade Radius and Diameter Worksheets

Questions

1. Find the radius of a circle having a diameter of 12.5 units.

2. What is the diameter of a circle having a circumference of 50π units?

3. What is the radius of a circle inscribed in square of side 26 units.?

4. Find the length of the longest chord of a circle inscribed in a square of area 36 square units.

5. Find the radius of a circle having an area of 64π square units.

6. Find the radius of a circle inscribed in an equilateral triangle of perimeter 15 units.

7. Find the radius of the cylinder from which a cone of maximum radius of 10 units and a height of 18 units has been carved out.

8. Find the radius of the largest circle which can be inscribed in a rectangle of length 5 units, and breadth 8 units.

9. A quadrant of a circle has an area of 81π square units. Find the radius of the quadrant.

10. The length of the tangent from a point P outside the circle is 8 units. The tangent touches the circle at the poit A, and the distance of the point P from the center of the circle is 17 units. Find the radius of the circle.

When you learn math in an interesting way, you never forget.

25 Million
Math classes & counting

100K+
Students learning Math the right way

20+ Countries
Present across USA, UK, Singapore, India, UAE & more.

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)	6.25 units
(2)	50 units
(3)	13√2 units
(4)	6 units
(5)	8 units
(6)	5/2√3 units
(7)	5 units
(8)	2.5 units
(9)	18 units
(10)	15 units

FUN FACT

1. Did you know that the only shape with one side and having an area is a circle?
2. A circle has infinite radiuses and diameters.
3. On dividing the circumference of a circle, it results in a pi.