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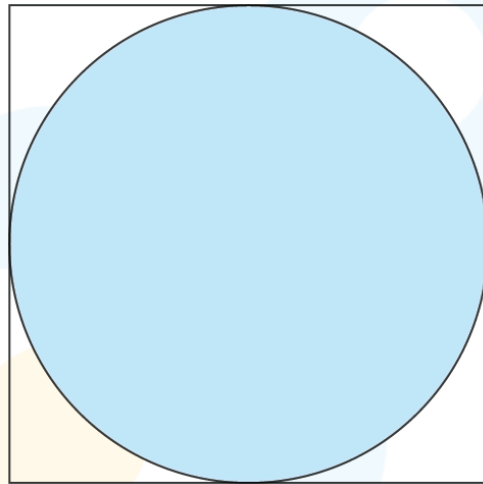
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7th Grade Radius and Diameter Worksheets

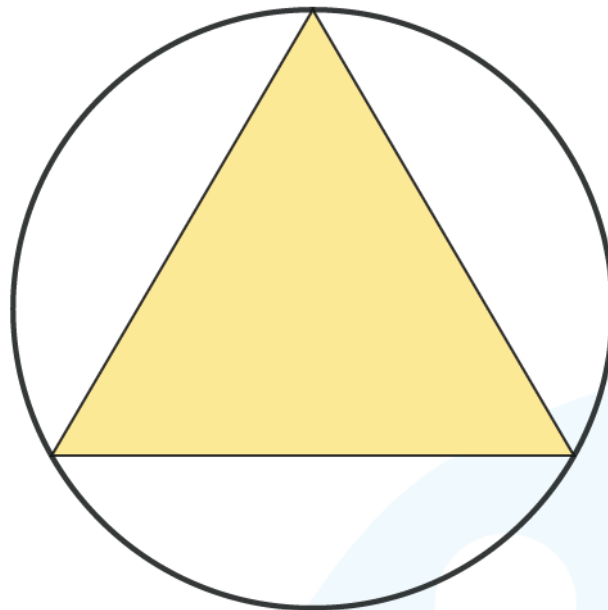
Questions

1. Find the Diameter of a circle having a radius of 6.5 units.
2. What is the Diameter of a circle having a circumference of 12π units?
3. A circle of radius 5 units is inscribed in a square. Find the diagonal of the square.



4. Find the diameter of a circle inscribed in a square of area 100 square units.
5. Find the radius of a circle having an area of 616 square units.

6. Find the diameter of the circumcircle of an equilateral triangle having a side of length 9 units.



7. Find the radius of a cone carved out from a cube of volume 216 cubic meters.
8. Find the diameter of a circle is 12 units. What is the side of a square drawn inside this circle?
9. A semicircle has an area of 77 square units. Find the radius of the semicircle.
10. A tangent AB touches the circle at the point C . O is the center of the circle. If the length of the tangent AC is 12 units, and AO is 13 units, find the radius OC .

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



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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)	13 units
(2)	12 units
(3)	$10\sqrt{2}$ units
(4)	10 units
(5)	14 units
(6)	$6\sqrt{3}$ units
(7)	3 units
(8)	$6\sqrt{2}$ units
(9)	7 square units
(10)	5 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.

