

Get better at Math.  
Get better at  
everything.



Come experience the Cuemath methodology and ensure your child stays ahead at math this summer.



**Adaptive  
Platform**



**Interactive Visual  
Simulations**



**Personalized  
Attention**

For Grades 1 - 10



LIVE online classes  
by trained and  
certified experts.

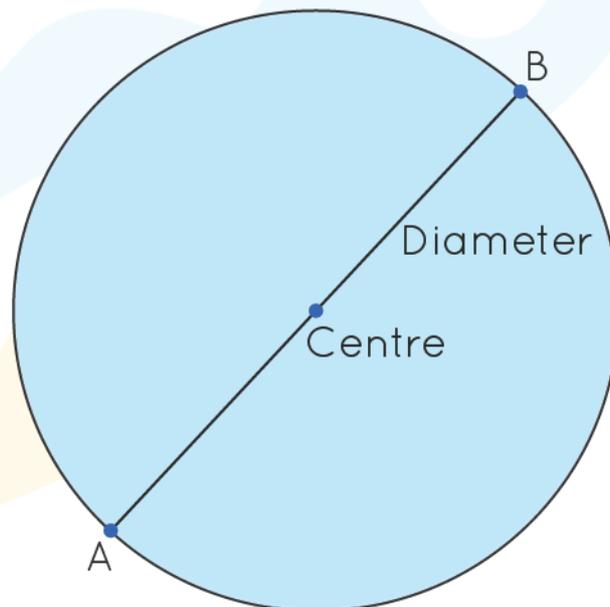
Get the Cuemath advantage

**Book a FREE trial class**

## 7th Grade Radius and Diameter Worksheets

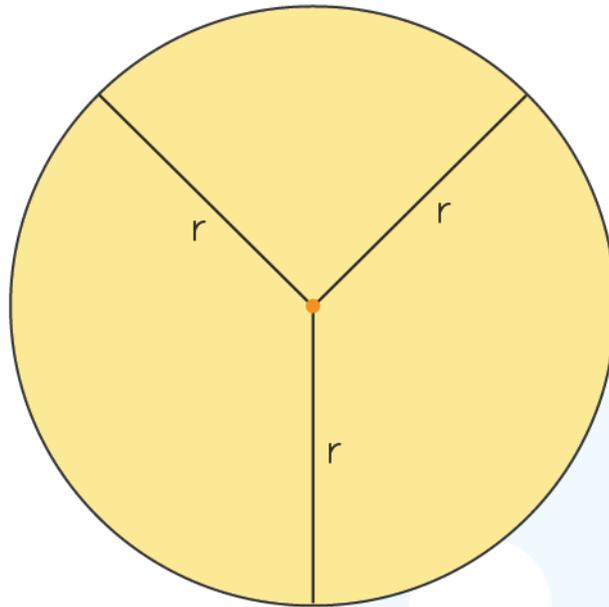
### Questions

1. Find the radius of a circle having a diameter of 12 units.
2. What is the radius of a circle having a circumference of  $40\pi$  units?
3. What is the diameter of a circle inscribed in square of diagonal  $10\sqrt{2}$  units.?
4. Find the radius of the circle inscribed in a square of area 25 square units.



5. Find the diameter of a circle having an area of 154 square units.

6. Find the radius of a circle inscribed in an equilateral triangle of side 12 units.



7. Find the radius of the largest cone carved out from a cylinder having a height of 12 units and a diameter of 8 units.
8. Find the diameter of the largest circle which can be inscribed in a rectangle of length 2 units, and breadth 3 units.
9. A quadrant of a circle has an area of  $36\pi$  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 point A, and the distance of the point P from the center of the circle is 10 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

Get the Cuemath advantage

**Book a FREE trial class**

**ANSWERS**

(1)	1. 6 units
(2)	2. 20 units
(3)	3. 10 units
(4)	4. 2.5 units
(5)	5. 14 units
(6)	$2\sqrt{3}$ units
(7)	8 units
(8)	2 units
(9)	12 units
(10)	6 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.

