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Area of Circles Worksheets

Questions

Q.1 What is the formula for the area of a circle?

Q.2 Circumference of a circle with radius 'r' _____

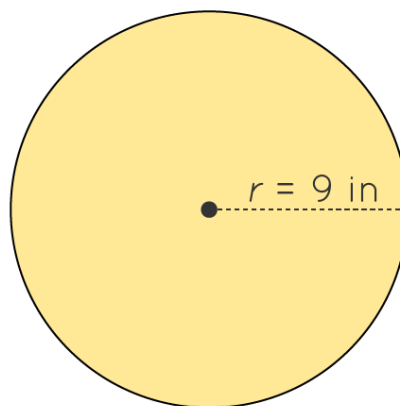
Q.3 Is the circumference of a circle is the same as the area of a circle.

- a. True
- b. False

Q.4 What is the area of a circle with a radius of 7 units? ($\pi = 3.14$)

Q.5 If the area of a circle is 16π sq. in, Determine the radius of the circle?

Q.6 What is the half area of a given circle?



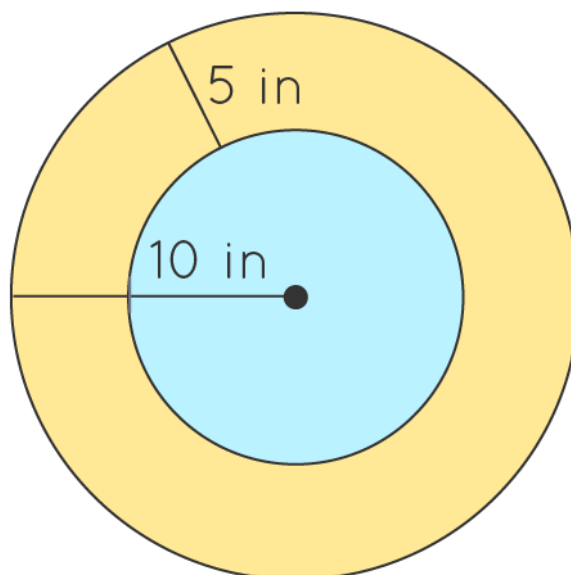
Q.7 What is the area of a circle if the circumference of a circle is 16π m?

- a. 16π sq. m
- b. 8π sq. m
- c. 64π sq. m
- d. 22π sq. m

Q.8 The radius of a circle is 10 inches, find the area of a circle is if the radius becomes doubled.

Q.9 If the ratio of the radii of two circles is 5: 4. Find the ratio of the area of two circles.

Q.10 Find the area of the shaded region of a circle.



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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

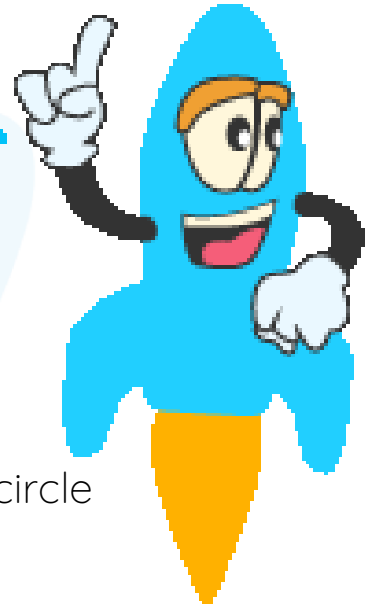
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ANSWERS

1. πr^2	2. $2\pi r^2$	3. 8 units	4. r:2	5. $\frac{\pi r^2}{2}$
6.b. 4 units	7. 40 units.	8. 78.53 sq. units	9. 676 Sq. m	10. 13.81sq. in

FUN FACT



1. For the shapes with the same perimeter, the circle has the maximum area of all.
2. The word "circle" derived from the Greek word "kirkos," which means ring.
3. A circle of the infinite radius has a straight line as a part of its circumference.