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Area of a Circle Worksheets 7th Grade

Questions

Q.1 Formula for the area of a circle_____

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

Q.3 Is the area of a semicircle is half of an area of a circle.

- a. True
- b. False

Q.4 What is the area of a semicircle with a radius of 8 units?

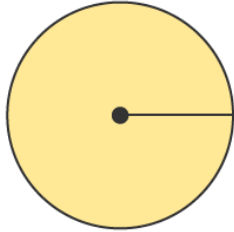
Q.5 Determine the radius of the circle. If the area of a circle is 64π sq. units.

Q.6 What is the circumference of a circle. If the area of a circle is 254.46 sq. unit?

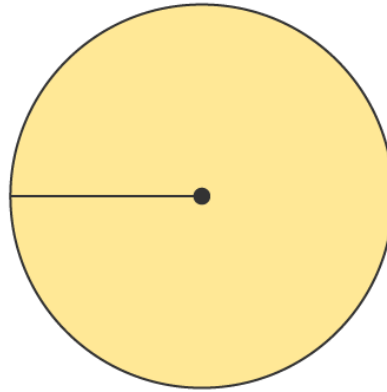
Q.7 What is the area of a circular ground. If the circumference of a circle is 320π m?

- a. 16000π sq. m
- b. 25600π sq. m
- c. 2000π sq. m
- d. 22000π sq. M

Q.8 The radius of a circle is 100 units, find the double of the area of a circle.



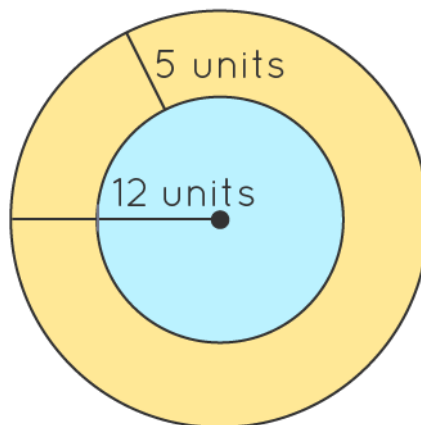
Area



Double Area ..?

Q.9 Find the ratio of the area of two circles. If the ratio of the radii of two circles is 4 : 3.

Q.10 Find the area of the inner circle.



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ANSWERS

1. πr^2	2. $2\pi r^2$	3. True	4. 100.53 sq. units	5. 8 units
6. 8.99 units	7. b. 25600 π sq. m	8. 62831.8 sq. units	9. 16:9	10. 153.93 sq. units

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.