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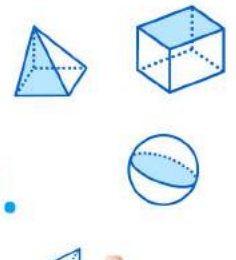

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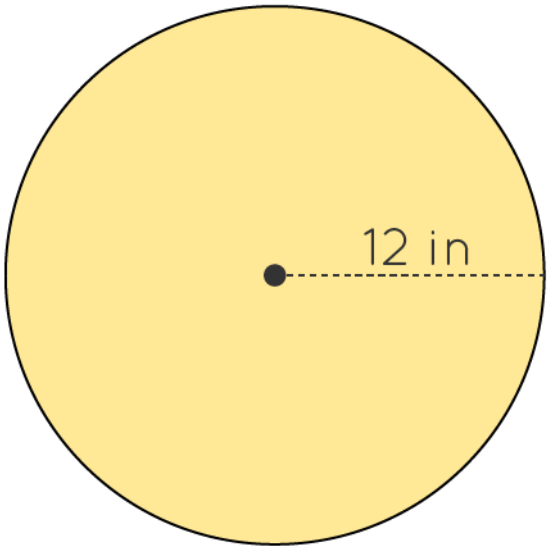
Area of a Circle Worksheets 7th Grade

Questions

Q.1 If the circumference of a circle is $2\Pi r$. Its area is_____.

Q.2 Find the area of a given circle.



Q.3 The area of a semicircle is_____. If the radius is 7 units. (use Π=3.14)

Q.4 If the radius of a circle is 20 units, then the area of a circle is 200Π sq. units.

a. True
b. false

Q.5 What is the ratio between the area of the semicircle to the area of a circle, having radius 'r'

Q.6 Which statement is correct regarding the area of a circle with a radius of 6 units?

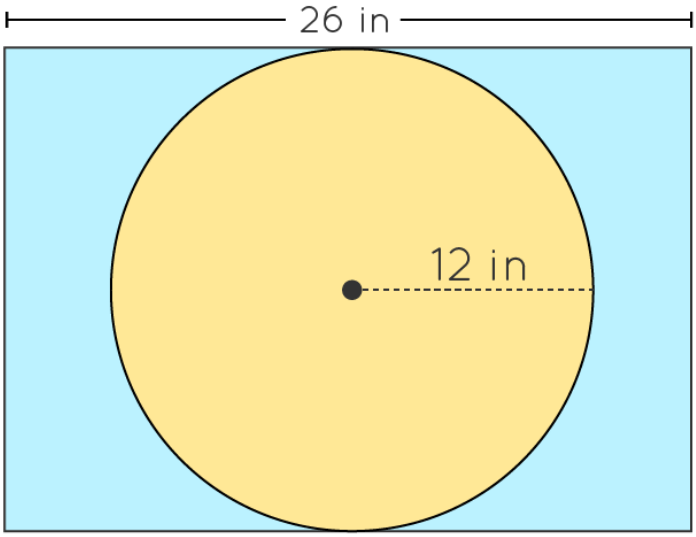
a. Π times 4 squared
b. Π times 6 squared
c. Π divided by 8 squared
d. 16 squared divided by Π.

Q.7 Find the diameter of a circle if the area of a circle is 314.15 m^2 (use Π = 3.14)

Q.8 Find the area of a semi-circle that is inscribed inside a square of the side 8 units.

Q.9 If the circumference of a circle is the same as the perimeter of a square of the side 20 units. Find the area of a circle.

Q.10 If the area of a rectangle is 624 sq. in. Find the area of the shaded region.



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- Barbara Cabrera

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ANSWERS

1.$2\pi r^2$	2. 452.38 sq. in	3.153.93 sq. units	4.b. false	5. 1:2
6.π times 6 squared	7. 10 m	8.25.13 sq. units	9.509.03 sq. units	10. 171.62 sq. 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.