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For Grades 1 - 10



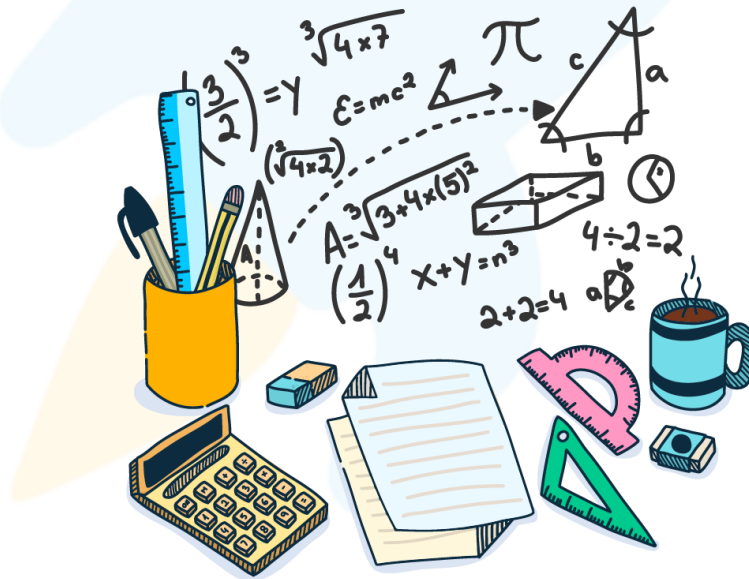
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CIRCLES WORKSHEETS

1. Find the radius of a circle having a diameter of 12 units.
2. The circumference of a circle having a diameter of 18 units is _____.
3. What is the area of a quadrant of a circle having a radius of 12 units?
 - (a) 12π square units
 - (b) 100π square units
 - (c) 144π square units
 - (d) 36π square units
4. What is the length of the largest chord of a circle having an area of 9π square units?
 - (a) 3 units (b) 4 units (c) 5 units (d) 6 units



5. The perimeter of a square circumscribed by a circle of radius 10 units is _____.
6. What is the difference between the circumference of two circles having areas of 100π square units and 81π square units?
7. What is the radius of a circle drawn in a square of area 121 square units?
8. Find the area of the circle which circumscribes a square of side 5 units.

9. What is the perimeter of a semi-circle having a radius of 7 units?
10. What is the cost of painting a circular floor area of radius 28 feet, at the rate of \$12 per square feet?



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)	6 units
2)	18π units
3)	(d) 36π square units
4)	(d) 6 units
5)	$40\sqrt{2}$ units
6)	2π units

7)	$11/\sqrt{2}$ units
8)	12.5π square units
9)	36 units
10)	\$ 29,568

FUN FACT

1. Circles are the only closed figures without any vertex or a side.
2. A circle in a three dimensional form is called a sphere.
3. A circle has the lowest area for the given dimensions.
4. Much of the astronomical bodies are spherical or circular in shape.

