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Area and Circumference of a Circle Worksheet III

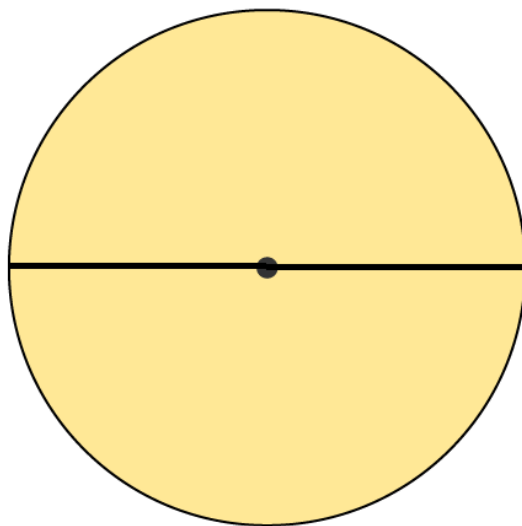
1) What is the term used to describe the total distance of the outer edge of a circle?

- a. Displacement
- b. Perimeter
- c. Circumference
- d. Diameter

2) The term used to describe the distance from one edge to another edge of the circle, which passes through the middle point is called_____.

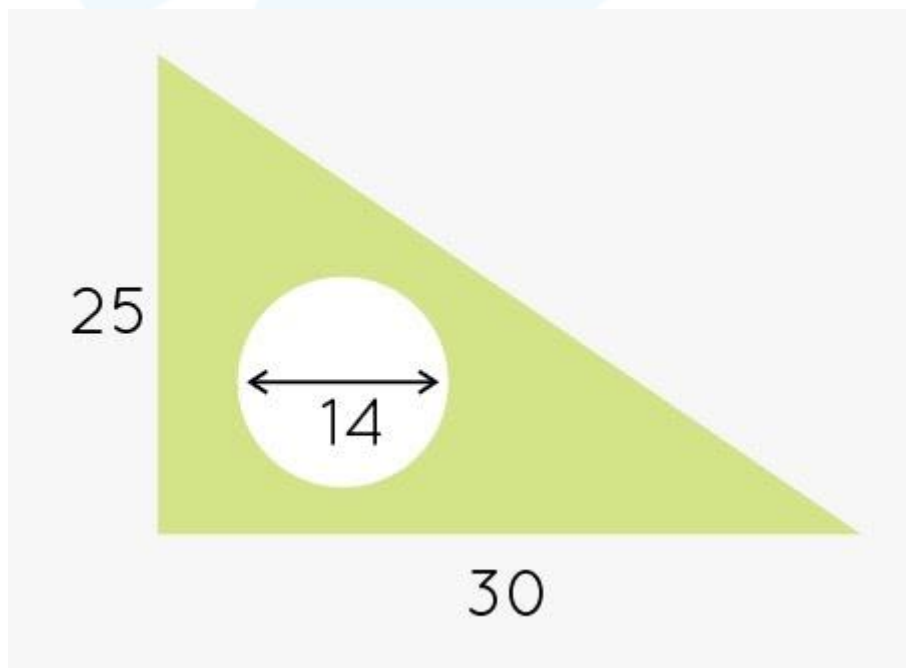
- a. Chord
- b. Radius
- c. Diameter
- d. Circumference

3) Name the part of a circle given below.



- a. Chord
- b. Radius
- c. Diameter
- d. Circumference

- 4) The area of a semi-circle if its radius is 10 units is_____.
- 5) What is the diameter of a semi-circle if its circumference is 14 units.
- 6) If the perimeter of a rhombus is 40 m. Find the area of a circle whose circumference is the same as the rhombus.
- 7) If the radius of a circle becomes half. What is the ratio of the old to a new area of a circle?
- 8) A square is inscribed in a circle. If the radius of a circle is 21in and each vertex of the square touches the circle. What is the area of the square?
- 9) If the area of a semicircle is 307.876 sq.units. What is the circumference and diameter of a semicircle?
- 10) Find the area of the colored region given in the combined figure.



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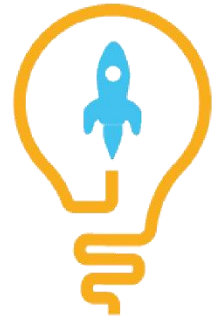
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**ANSWERS**

1. Circumference	2. Diameter	3. Diameter	4. 157.08sq. units	5. 14 units
6. 127.08 sq.m	7. 4:1	8. 220.5 sq. in	9. D-28 units, C- 71.982 units	10. 221.06 sq units.

FUN FACT

1. A circle has the lowest area for the given dimensions.
2. A circle in a three-dimensional form is called a sphere.
3. Circles are the only closed figures without any vertex or aside.

