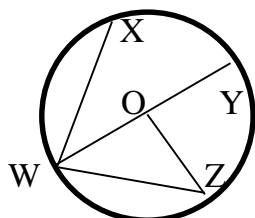


5.G.B.3 Geometric Concepts Involving Circles

5.G.B.3: Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category

1. Use the circle below to help you answer the missing information.



- Name the circle _____
- Name the diameter of the circle _____
- Name two chords of the circle _____, _____
- Name all radii of the circle _____, _____, _____

2. Use a compass to draw the following circles.

a. Diameter = 10cm



b. Radius = 3cm



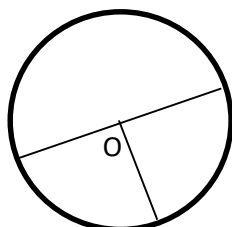
c. Diameter = 7cm



3. The longest chord of the circle is 8 inches. What is the radius of this circle?

Solution:

4. What is the diameter of the circle below if the radius is 10cm?



Solution:

5. The area of a circle is $A = \pi r^2$. Find the area of a circle with a diameter of 6 inches.

Solution:

5.G.B.3 Geometric Concepts Involving Circles

Answer Key

5.G.B.3: Understand that attributes belonging to a category of two-dimensional figures also belong to all subcategories of that category

1.
 - a. Circle O
 - b. WY
 - c. WX; WZ
 - d. OW; OZ; OY
2. The students should draw
3. 4 inches
4. 20 cm
5. 28.26 in^2