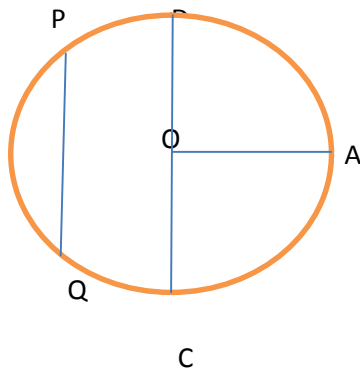


LN: 8 CARTS AND WHEELS

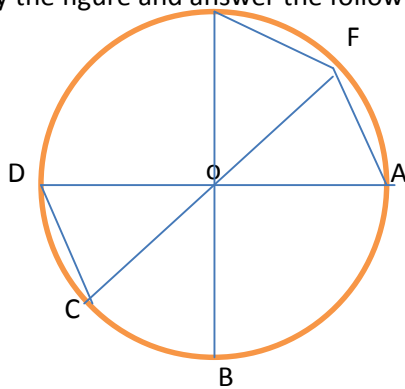
- A circle is a simple closed curved.
- A line segment from the centre of the circle to any point on the circle is called radius (r).
- A circle has infinite radii and all are equal.
- A line segments with its end points on the circle is chord.
- A chord which is passing through the centre of the circle and divide the circle into two equal halves is called diameter. The longest chord is the diameter.
- A circle has infinite diameters.
- The length of the boundary is called circumference.
- Relation between radius and diameter



I. Find out the radius diameter.

1. $r = 4$
 $d = 4 \times 2 = 8$
2. $r = 3$
 $d = 6$
3. $d = 24$
 $r = 24/2 = 12$
4. $d = 36$
 $r = 36/2 = 18$

II. Study the figure and answer the following



Name the radii

- OA
- OF
- OE
- OD
- OC
- OB

Name the diameter

- AD
- BE
- CF

Name the chords

- EF
- FA
- CD

III. Match the following

D		R
28	-	3.5 \longrightarrow 5
64	-	8 \longrightarrow 4
44	-	32 \longrightarrow 2
16	-	22 \longrightarrow 3
7	-	14 \longrightarrow 1