Circles

A circle is a set of all those points in a plane whose distance from a fixed point remains constant.

👉 Parts of Circle:

- **Radius:** The radius of the circle is the distance between the all the points of circle to its centre.

- **Centre:** The centre of a circle is a fixed point which is at a constant distance from all the points.

- **Diameter:** A line segment passing through the centre of a circle, and having its end-points on the circle is called a diameter of the circle.

- **Chord:** A line segment with its end-points lying on a circle is called the chord of the circle.

- **Interior of a circle:** The part of a plane inside the circle consisting of all the points is called the interior of a circle.

⟹ **Let us understand with an example**

Example: In the given figure, name its radius, centre, diameter and chord.

Solution: Centre – O

Radius – OC

Diameter – AB

Chord – DE