

Mathematics

(www.tiwariacademy.com)

(Chapter - 4) (Basic Geometrical Ideas)

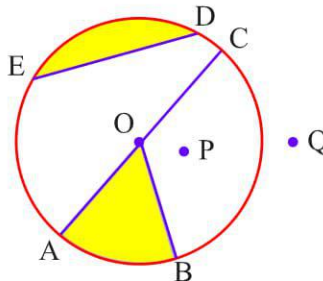
(Class - VI)

Exercise 4.6

Question 1:

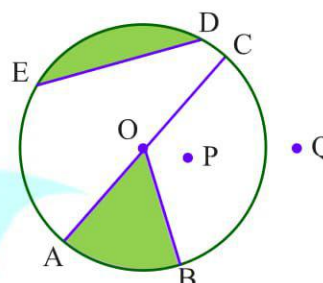
From the figure, identify:

- (a) The centre of circle.
- (b) Three radii.
- (c) A diameter.
- (d) A chord.
- (e) Two points in the interior.
- (f) A point in the exterior.
- (g) A sector.
- (h) A segment.



Answer 1:

- (a) O is the centre.
- (b) Three radii: OA, OB and OC
- (c) A diameter: AC
- (d) A chord: ED
- (e) Interior points: O, P
- (f) Exterior point: Q
- (g) A sector: OAB
- (h) A segment: ED



Question 2:

- (a) Is every diameter of a circle also a chord?
- (b) Is every chord of a circle also a diameter?



Answer 2:

- (a) Yes, every diameter of a circle is also a chord.
- (b) No, every chord of a circle is not a diameter.

Question 3:

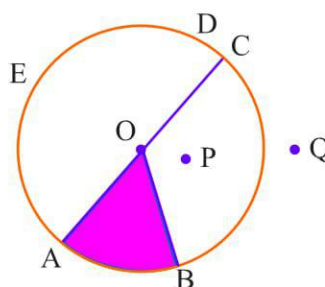
Draw any circle and mark:

- (a) Its centre.
- (b) A radius.
- (c) A diameter.
- (d) A sector.



Answer 3:

- (a) Its centre is O.
- (b) A radius is OB.
- (c) A diameter is AC.
- (d) A sector OAB.



Question 4:

Say true or false:

- (a) Two diameters of a circle will necessarily intersect.
- (b) The centre of a circle is always in its interior.



Answer 4:

- (a) True
- (b) True

www.tiwariacademy.com

A Free web support in Education