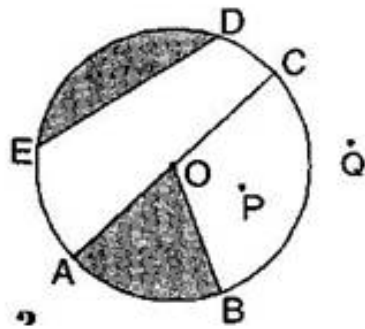




NCERT SOLUTIONS FOR CLASS 6 MATHS BASIC  
GEOMETRICAL IDEAS EXERCISE 4.6

**Question 1.** From the figure, identify:

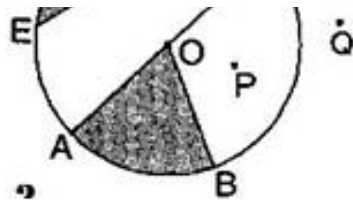


- (a) The centre of circle.
- (b) Three radii.
- (c) A diameter.
- (d) A chord.
- (e) Two points in the interior.
- (f) A point in the exterior.
- (g) A sector.
- (h) A segment.

**Answer:**

- (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:





**Question 2.** (a) Is every diameter of a circle also a chord?

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

**Answer:** (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:

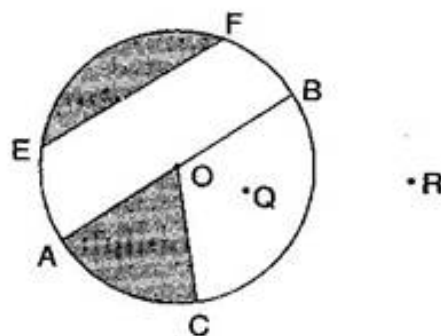
(a) Its centre.

(b) A radius.

(c) A diameter.

(d) A sector.

**Answer:** Sol.



**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:** (a) True

(b) True

\*\*\*\*\* END \*\*\*\*\*