

1.(A) Fill in the blanks according to figure given at right.

- (i) _____ is the centre of circle.
- (ii) $m \angle AQ = m \angle$ _____
- (iii) $m \angle AT$ _____ $m \angle TQ$ (Insert : $<$, $>$)
- (iv) _____ is the chord but not the diameter.
- (v) The shaded region is called _____.
- (vi) _____ is the largest chord of given circle.
- (vii) _____ and _____ are radial segments of given circle.



(B) Encircle(only one) best answer from the given options.

(i) Radius is _____ of diameter.

- (a) double (b) Half (c) twice (d) both 'a' & 'c'

(ii) _____ is the constant ratio between radius and diameter of circle.

- (a) 1: 2 (b) 2: 1 (c) π (d) 2

(iii) Diameter is _____ of radius.

- (a) half (b) double (c) twice (d) both 'c' & 'b'

(iv) The line segment which joins centre of circle to any point of the boundary is called :

- (a) Radial segment (b) radius (c) chord (d) diameter

(v) The region enclosed by two radial segments & their corresponding arc is called

- (a) chord (b) segment (c) circle (d) sector

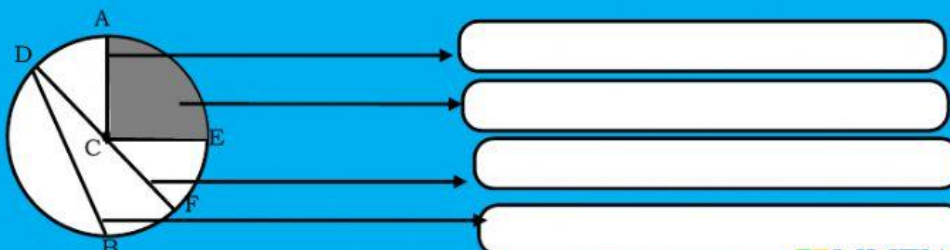
(vi) Which is the longest chord of circle?

- (a) diameter (b) chord
- (c) both 'a' & 'b' (d) radius

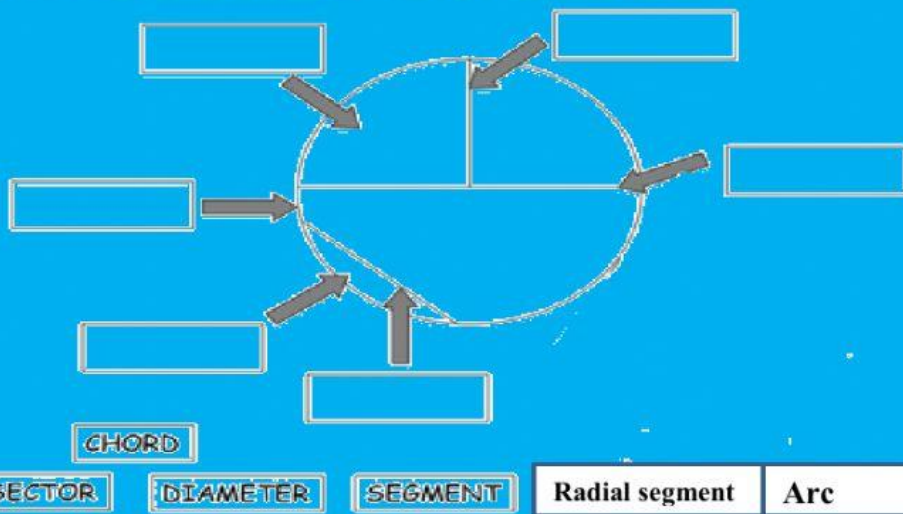
(vii) A line segment which joins any two points of boundary of circle but does not passes through the centre is called:

- (a) diameter (b) radius (c) segment (d) chord

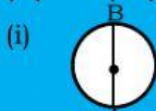
2. Write the name of each of the indicated elements of circle.



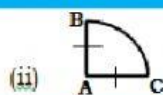
3. Drag the exact name of each indicated element of circle.



4. (A) Tick (✓) the circle in which AB is representing diameter of a circle.



(B) Tick (✓) the circle in which AB is representing radial segment of a circle.



(C) Fill in the blanks by using words from word bank only.

(i) Any part of the boundary of circle is called _____.

(ii) Region enclosed by two radial segments and their corresponding arc is called _____.

(iii) Radial segment is a line segment which joins _____ of a circle to any point on boundary of a circle.

(iv) The longest chord of a circle is called _____.

Word bank

Pi (π), Arc, diameter, chord, radial segment, centre, sector, circumference