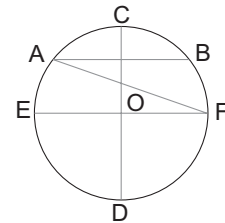


Worksheet

- Choose the correct answer.
 - The radius of a circle is 4.8 cm, the length of the diameter is
 - 2.4 cm
 - 9.8 cm
 - 9.6 cm
 - 1.2 cm
 - Three points of a circle P, Q and R are at a distance of 4.5 cm from a centre S. If for a point T, $TS = 5.6$ cm and for another point M, $MS = 3.8$ cm, then
 - both T and M lie outside the circle.
 - T lies outside and M lie inside the circle.
 - both T and M lie inside the circle.
 - T lies inside and M lies outside the circle.
- Fill in the blanks.
 - The longest chord of a circle is _____ .
 - A secant intersects a circle at _____ points.
 - From a point on a circle, we can draw _____ tangent/tangents.
- Match the following from the given figure.

| I | II |
|------------------|----------|
| a. Minor segment | i. EDF |
| b. Diameter | ii. AF |
| c. Semicircle | iii. ACB |
| d. Radius | iv. EF |
| e. Chord | v. OC |



8. A circular frame of wood is fitted with two screws and a bar such that the bar is a chord of the circle. If the position of the screws is changed and they are brought close to each other then what will the bar represent when the screws are at the same place?

Answers to Worksheet

1. a. iii b. ii 2. a. diameter b. two c. infinite
3. a. iii b. iv c. i d. v e. ii
4. a. False b. False c. True d. False e. True
5. 2.5 cm 7. Yes. No, they cannot be of different lengths.
8. A tangent to the circular frame.