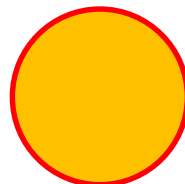




# THEME: GEOMETRY AND MEASURES

## TOPIC: CIRCLE PROPERTIES – Lesson 5

KAZIBA STEPHEN



8<sup>th</sup> January 2025

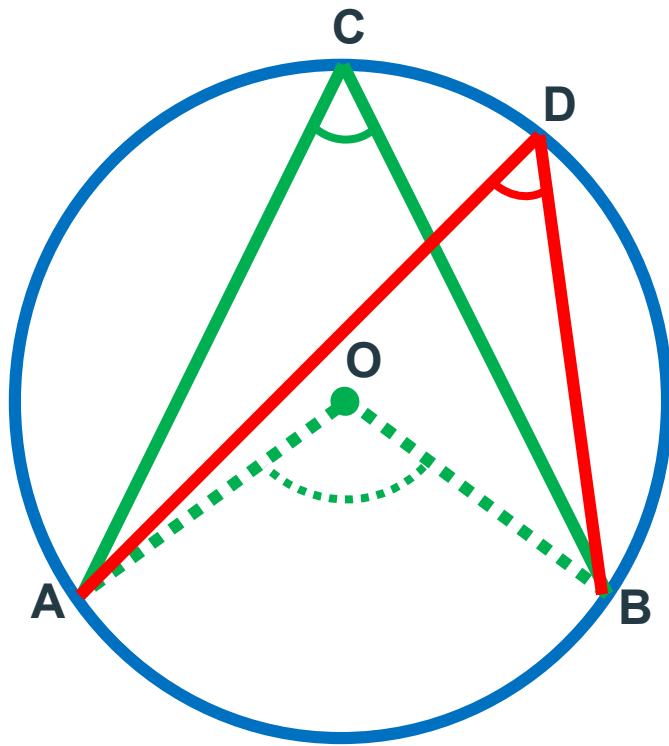
# LEARNING OUTCOME

- By the end of this lesson, you should be able to understand and apply the Same segment Theorem

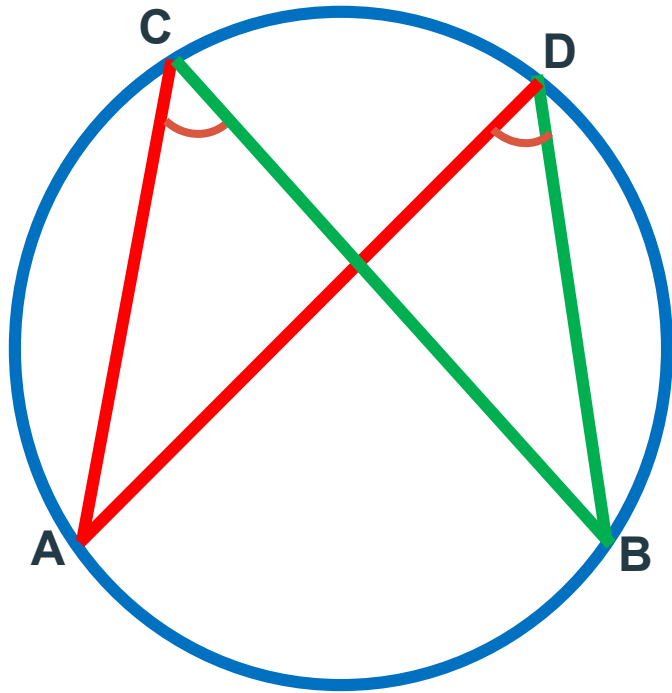


# Angles in the same segment

- **Theorem** : Angles Subtended at the Circumference by the Same Arc are Equal.

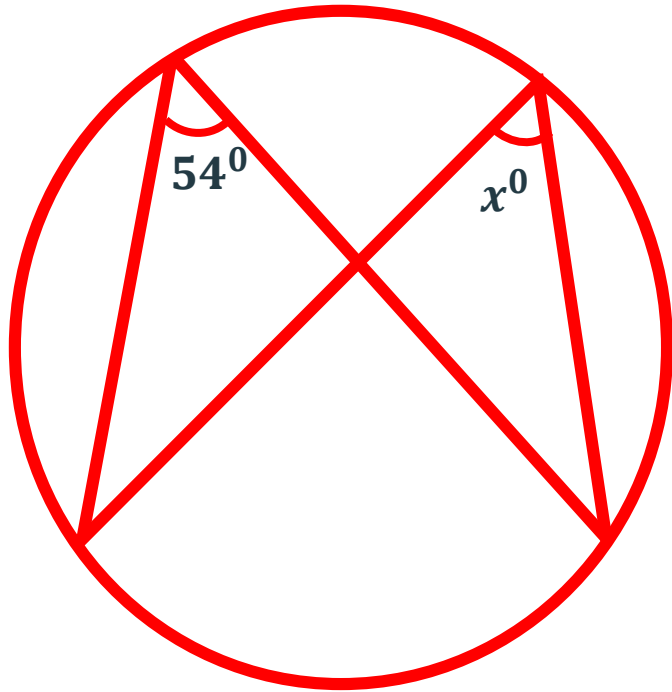


# Angles in the same segment



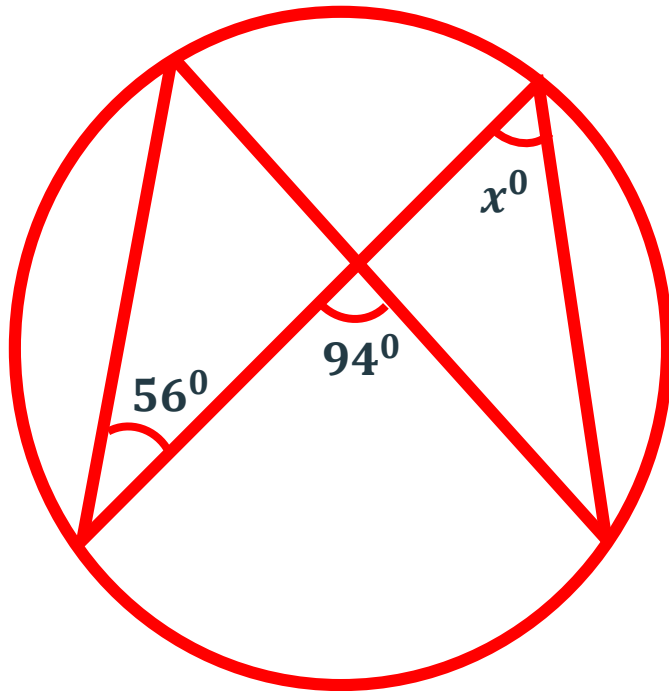
# Activity

- In the circle below, find the size of the angle marked  $x$



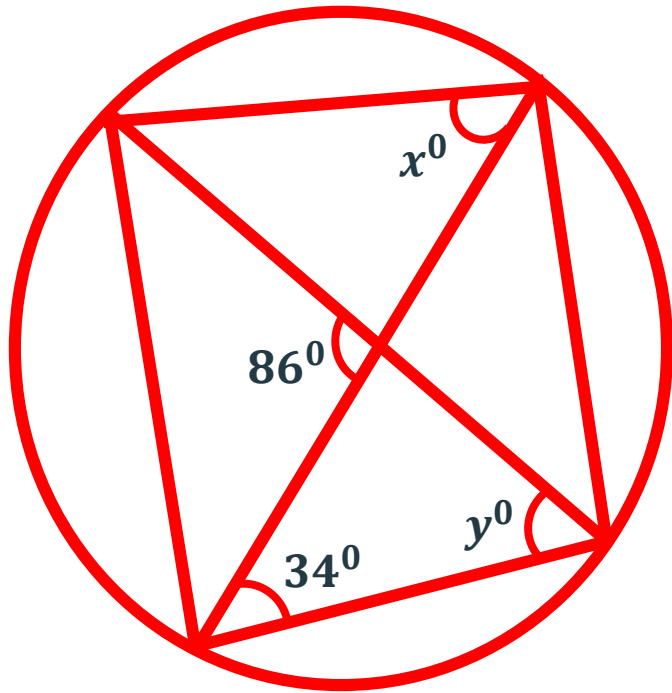
# Activity

- In the circle below, find the size of the angle marked  $x$*



# Activity

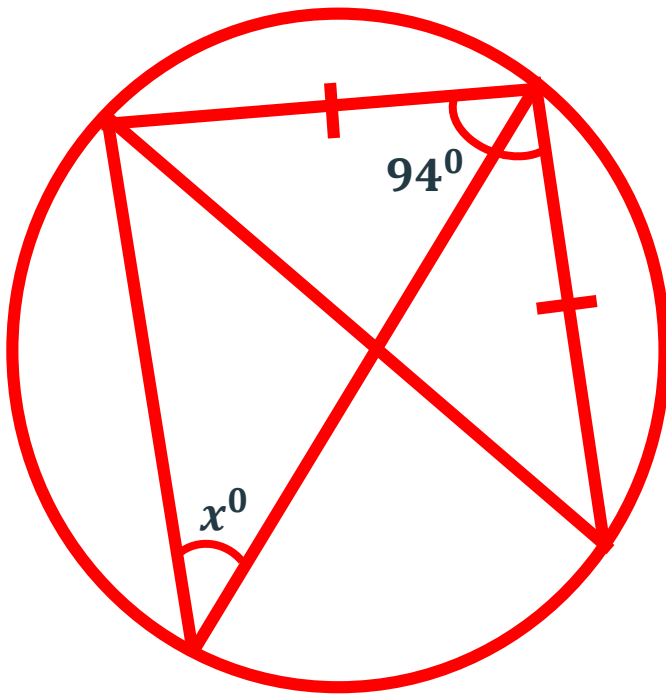
- In the circle below, find the size of the angles marked  $x$  and  $y$*





# Activity

- In the circle below, find the size of the angle marked  $x$*



# Exercise

*Calculate the size of the marked angles*

