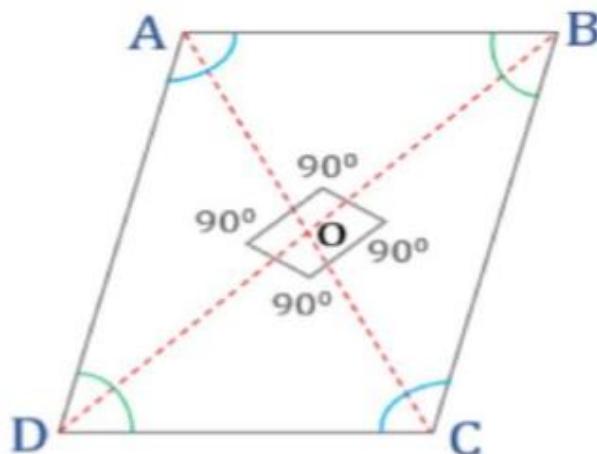


### Properties of Rhombus

1. All sides are equal and opposite sides are parallel.
2. Corner angles are unknown.
3. Opposite angles are equal.
4. Adjacent angles add up to  $180^\circ$ , as sides are parallel.
5. Diagonals bisect each other.
6. Diagonals bisect angles equally.
7. Diagonals meet each other at  $90^\circ$ .
8. Alternate angles are formed due to diagonals.



#### **Sides**

- $AB = BC = CD = AD$

#### **Diagonals**

- $AO = OC$  &  $DO = OB$

#### **Angles**

- $\angle A = \angle C$  &  $\angle B = \angle D$