



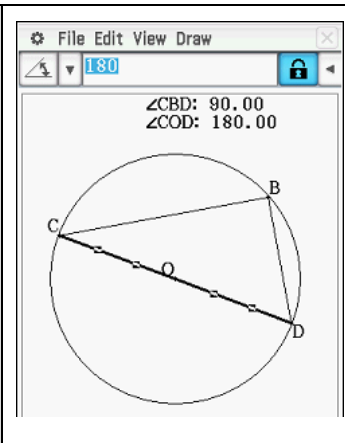
Activity 15 Angle in a semicircle

Aim: Verify and prove the angle in a semicircle is a right angle.

Open the saved diagram from the previous activity *Angle at the centre*.

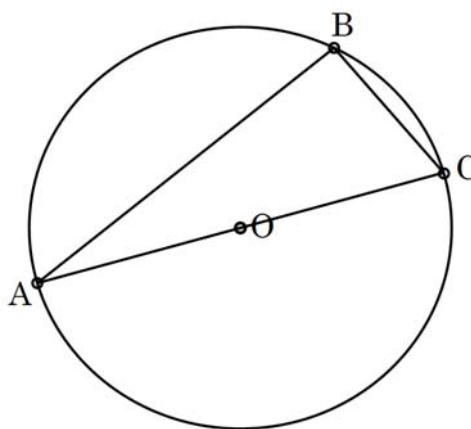
Set angle to 180°

- Tap  to go round the corner
- Tap in open space
- Tap on OC
- Tap on OD
- Enter 180 in the measurement box
- Tap  to lock measurement



1. Drag point B around the circle. What do you notice about the size of $\angle CBD$?

2. Complete the proof for the angle in a semi-circle is 90° .



Statement	Reason
$\angle AOC = 180^\circ$	(i) _____
$\angle ABC =$	(ii) Angle at the circumference is half the angle at the centre.