

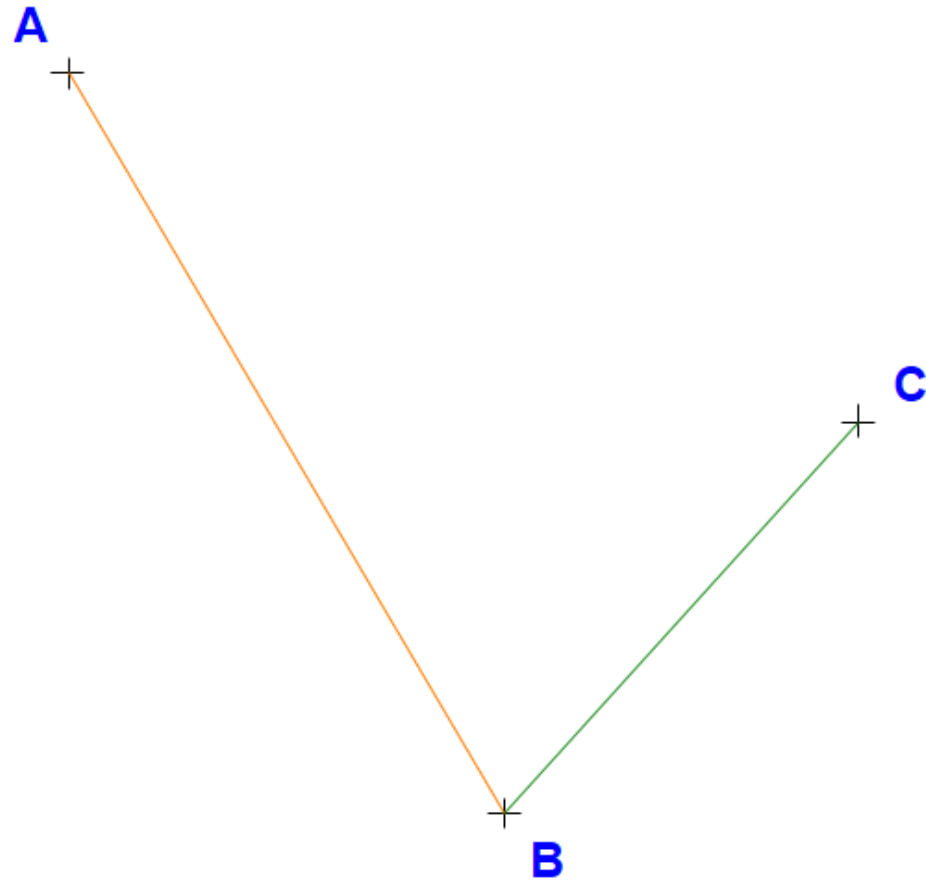
# **Chapter 3 / Hoofstuk 3**

**GEOMETRICAL CONSTRUCTION – p. 15 - BOTTOM**  
**GEOMETRIESE KONSTRUKSIE – bl. 15 - ONDER**

**Construct a circle through the three given points**  
**Konstrueer 'n sirkel deur die drie gegewe punte**



**Draw any two lines through these three points**  
**Teken enige twee lyne deur die drie gegewe punte**



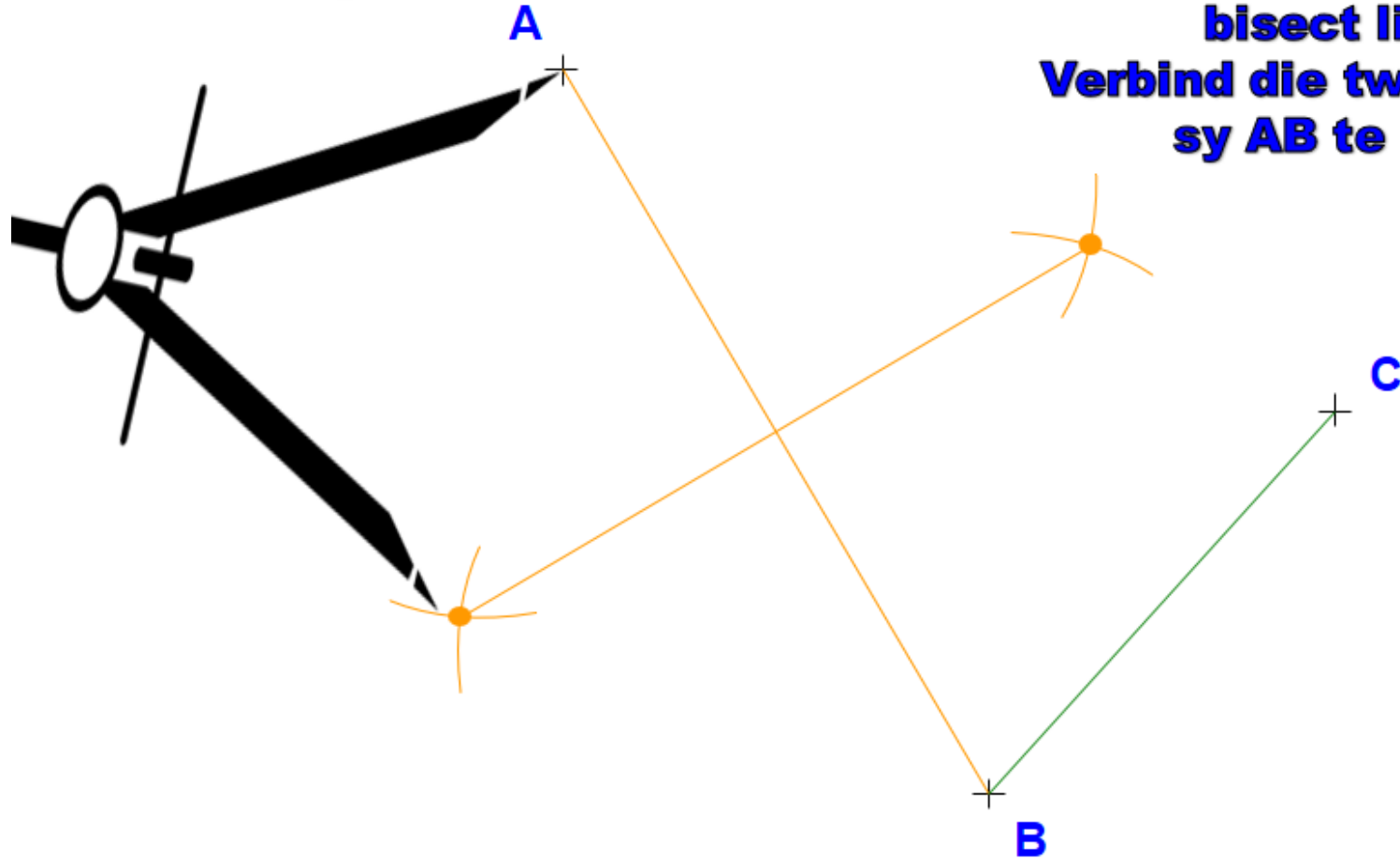
**Set the compass to a radius greater than half of the length of side AB and scribe the arcs from point A & B**

**Stel die kompas op 'n radius groter as die helfte van die lengte van sy AB en trek die boë vanaf punt A & B**



**Bisect side AB  
Halveer sy AB**

**Connect the two points to bisect line AB  
Verbind die twee punte om sy AB te halveer**



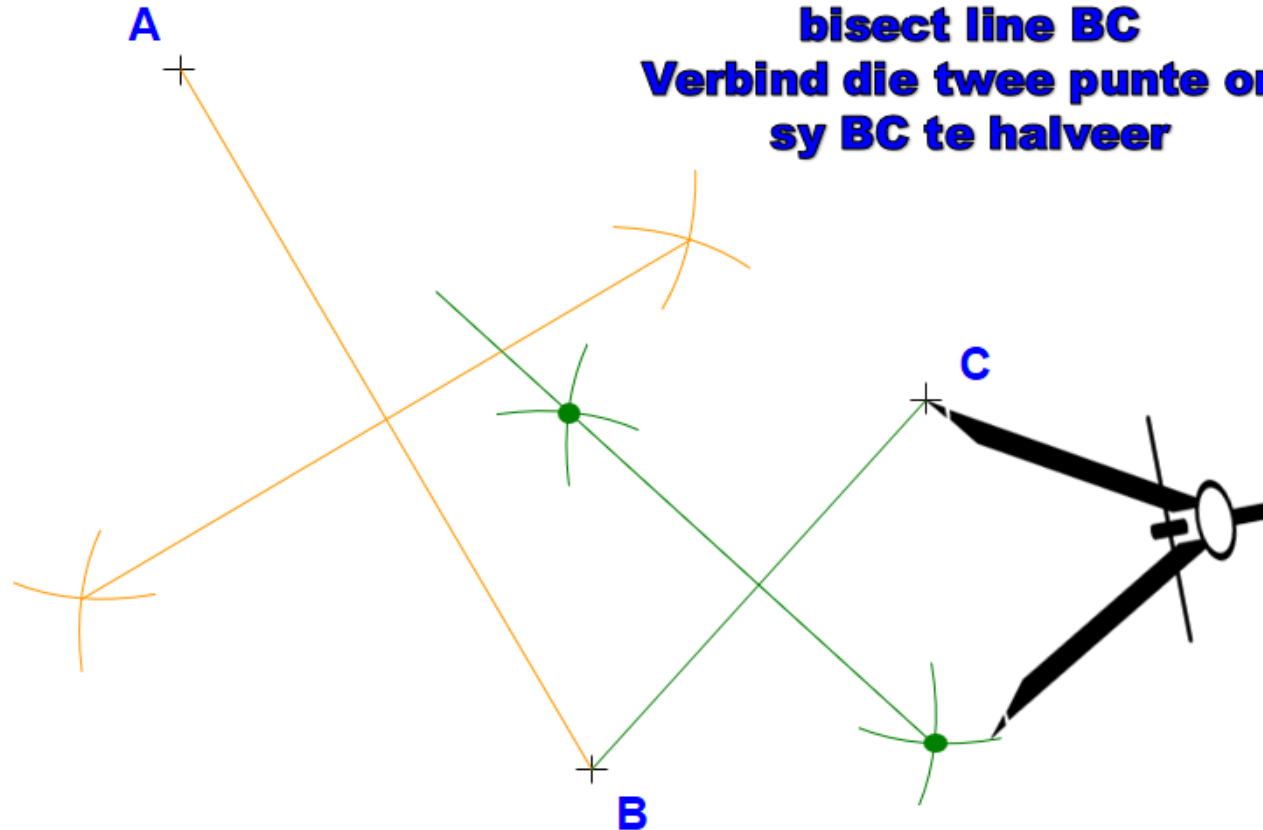
**Set the compass to a radius greater than half of the length of side BC and scribe the arcs from point B & C**

**Stel die kompas op 'n radius groter as die helfte van die lengte van sy BC en trek die boë vanaf punt B & C**



**Bisect side BC  
Halveer sy BC**

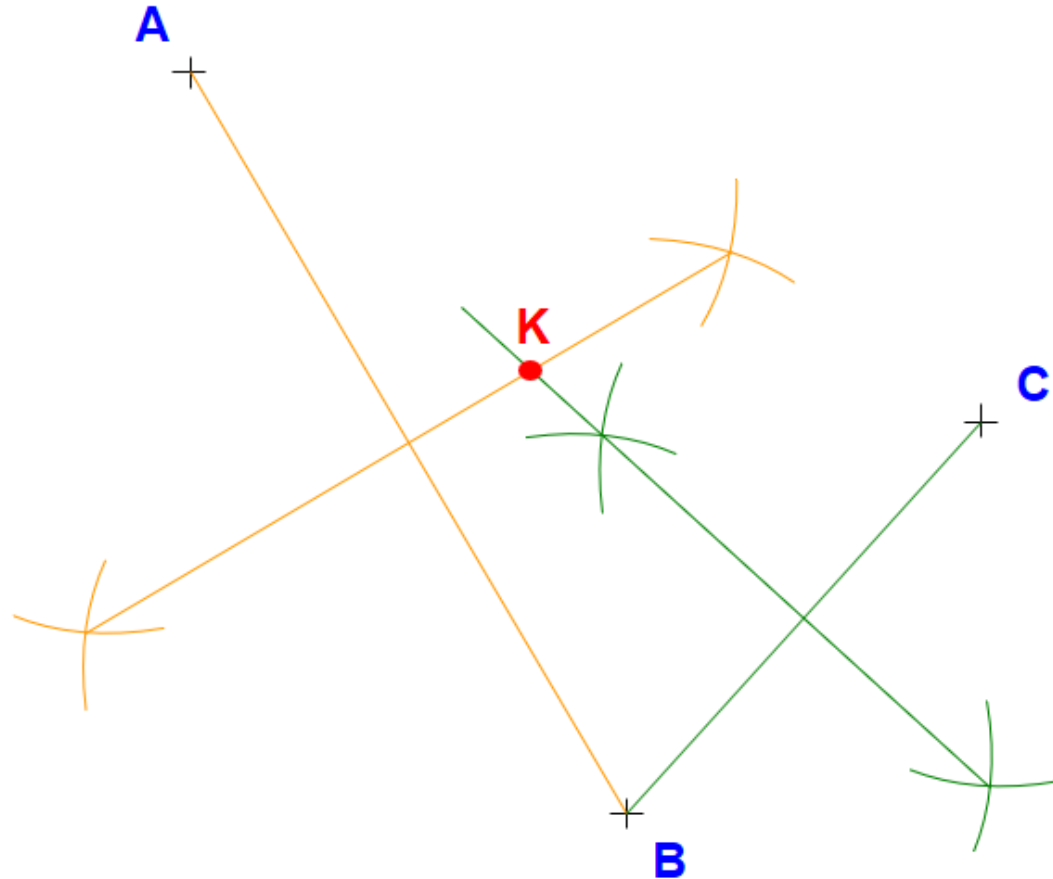
**Connect the two points to bisect line BC  
Verbind die twee punte om sy BC te halveer**



**Point K is the centre of the 'circumscribed' circle**  
**Punt K is die middelpunt van die 'omgeskrewe' sirkel**

**From centre point K, draw a**  
**'circumscribed' circle**

**Vanaf middelpunt K, teken 'n**  
**'omgeskrewe' sirkel**

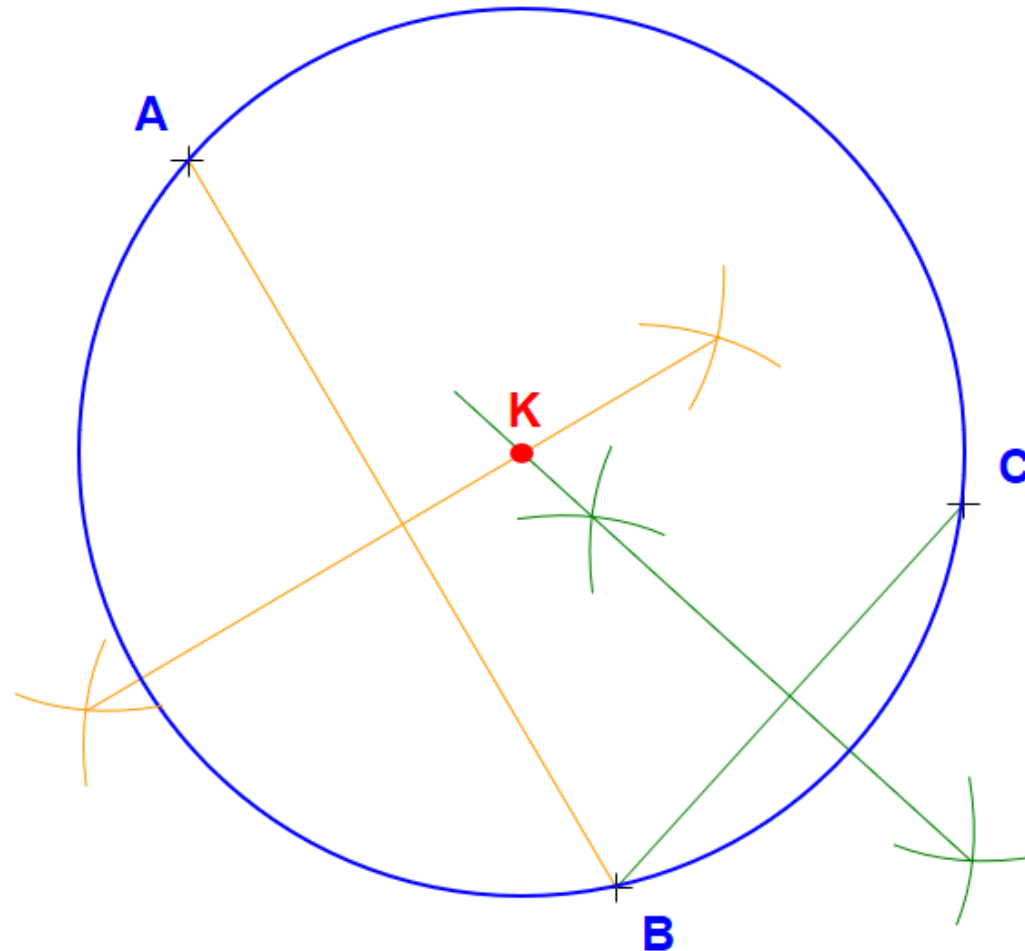


**Point  $K$  is the centre of the 'circumscribed' circle**  
**Punt  $K$  is die middelpunt van die 'omgeskrewe' sirkel**



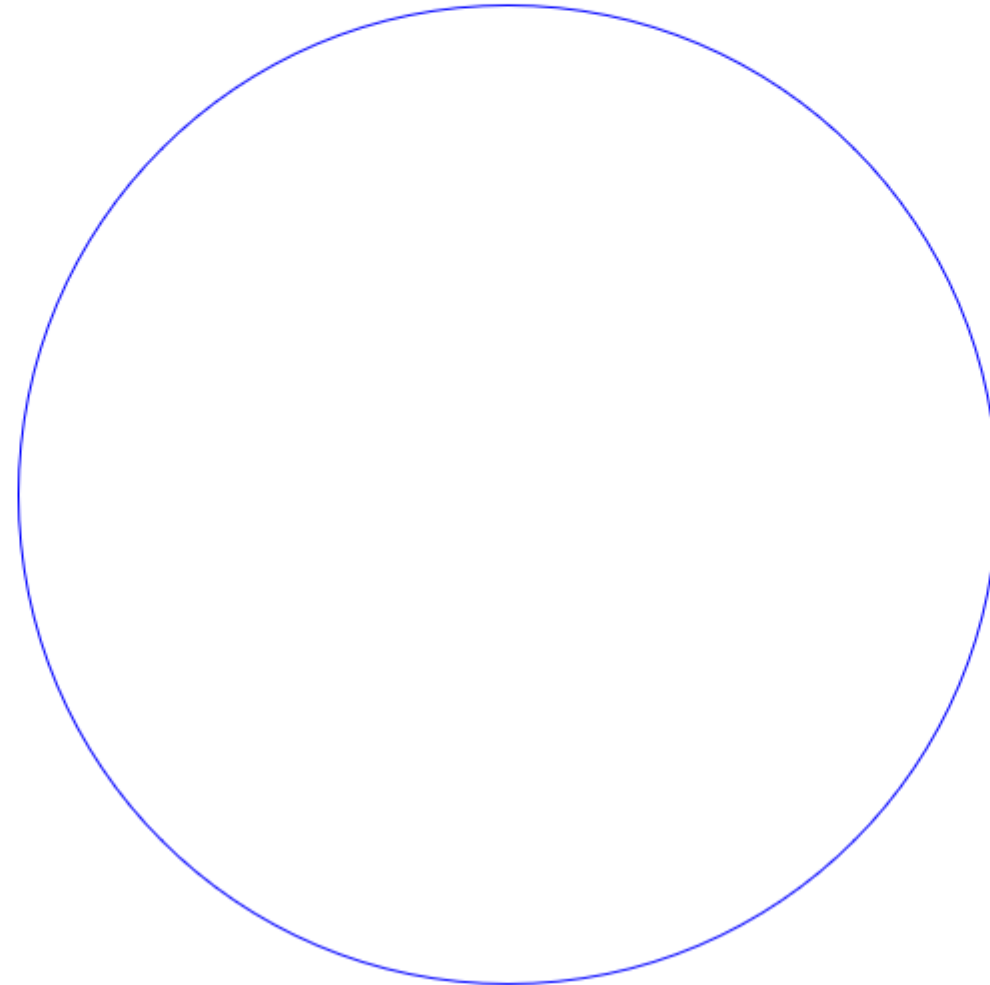
**From centre point  $K$ , draw a 'circumscribed' circle**

**Vanaf middelpunt  $K$ , teken 'n 'omgeskrewe' sirkel**



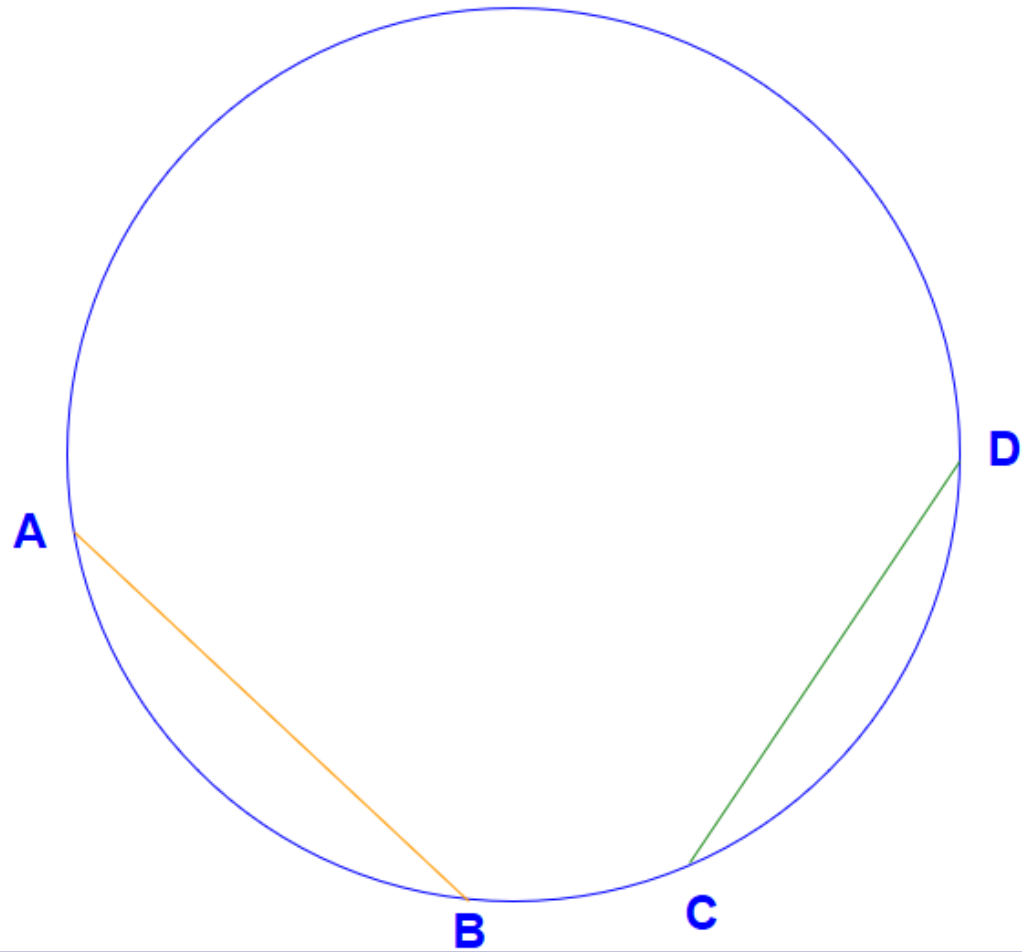
**MEMO**

**Determine by means of construction the centre of the circle**  
**Bepaal die middelpunt van die sirkel deur middel van konstruksie**





**Draw any two chords on the circumference of the circle**  
**Teken enige twee koorde op die omtrek van die sirkel**

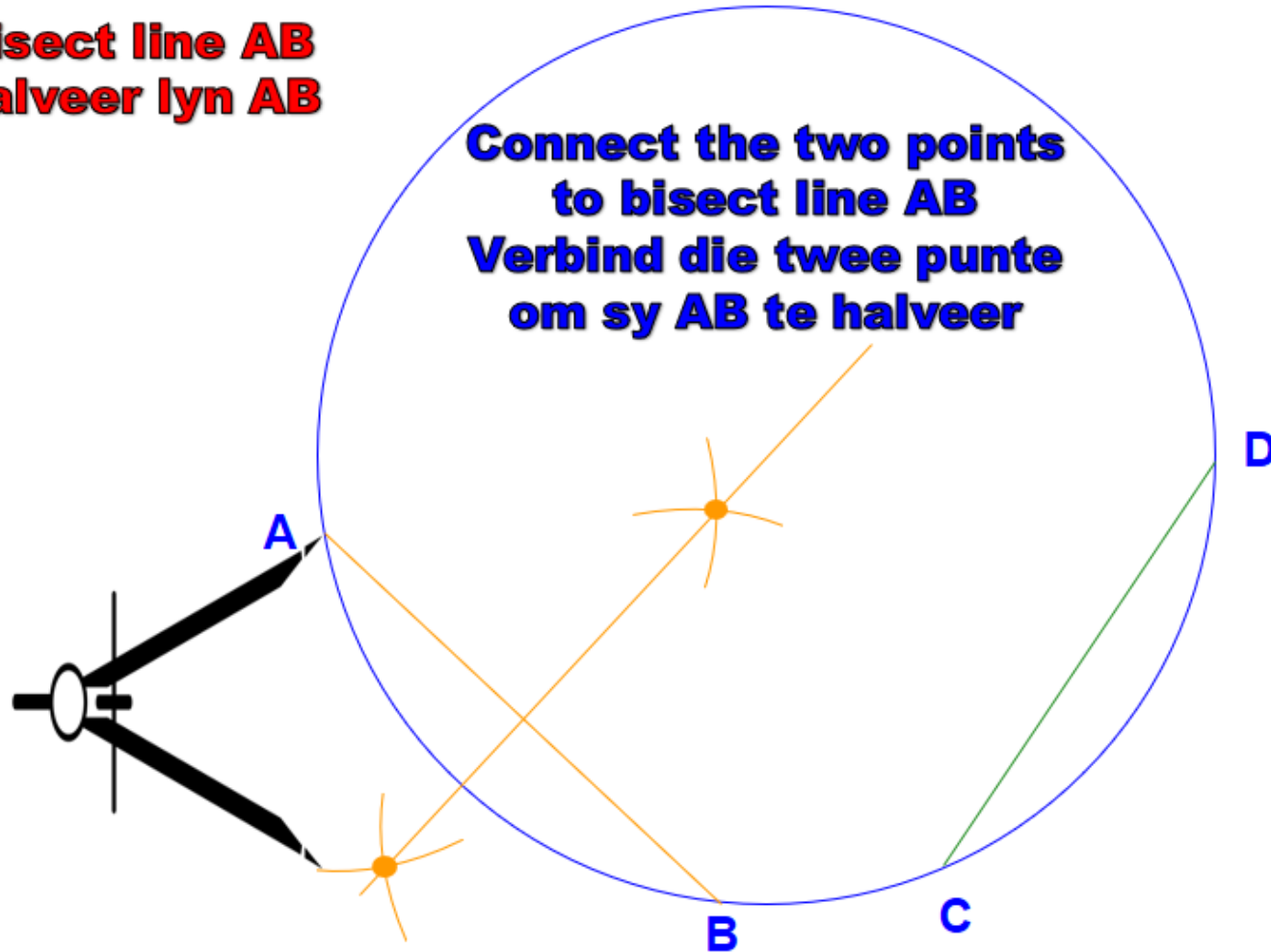


**Set the compass to a radius greater than half of the length of line AB and scribe the arcs from points A & B**

**Stel die kompas op 'n radius groter as die helfte van die lengte van lyn AB en trek die boë vanaf punte A & B**



**Bisect line AB  
Halveer lyn AB**



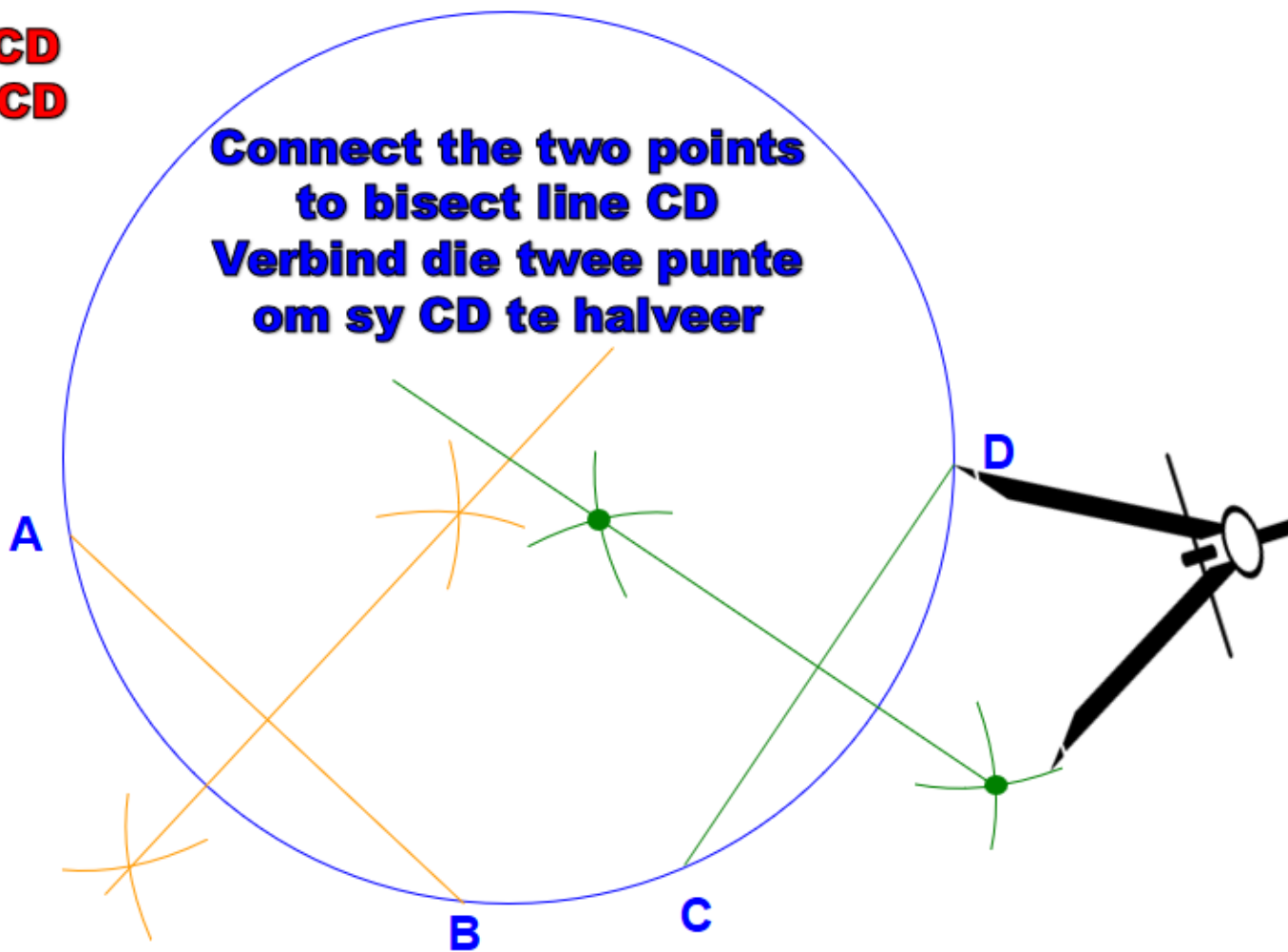
**Set the compass to a radius greater than half of the length of line CD and scribe the arcs from points C & D**

**Stel die kompas op 'n radius groter as die helfte van die lengte van lyn CD en trek die boë vanaf punte C & D**



**Bisect line CD**  
**Halveer lyn CD**

**Connect the two points to bisect line CD**  
**Verbind die twee punte om sy CD te halveer**



**Point K is the centre of the circle**  
**Punt K is die middelpunt van die sirkel**

**MEMO**

