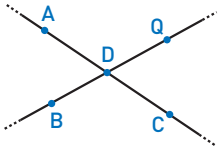
YOU & MATHS **Opposite angles** Look at the figure and complete the statements by filling in the missing parts.



a. If $B\widehat{D}C = 65°$, then $B\widehat{D}A =$ [ ], since $B\widehat{D}C$ and $B\widehat{D}A$ are [ ].

b. If the measure of $C\widehat{D}Q$ is α, then $B\widehat{D}A =$ [ ], since $C\widehat{D}Q$ and $B\widehat{D}A$ are [ ].

a. If $B\widehat{D}C = 65°$, then $B\widehat{D}A = 180° - 65° = 115°$, since $B\widehat{D}C$ and $B\widehat{D}A$ are supplementary angles.

b. If the measure of $C\widehat{D}Q$ is α, then $B\widehat{D}A = \alpha$, since $C\widehat{D}Q$ and $B\widehat{D}A$ are vertical (or opposite) angles.