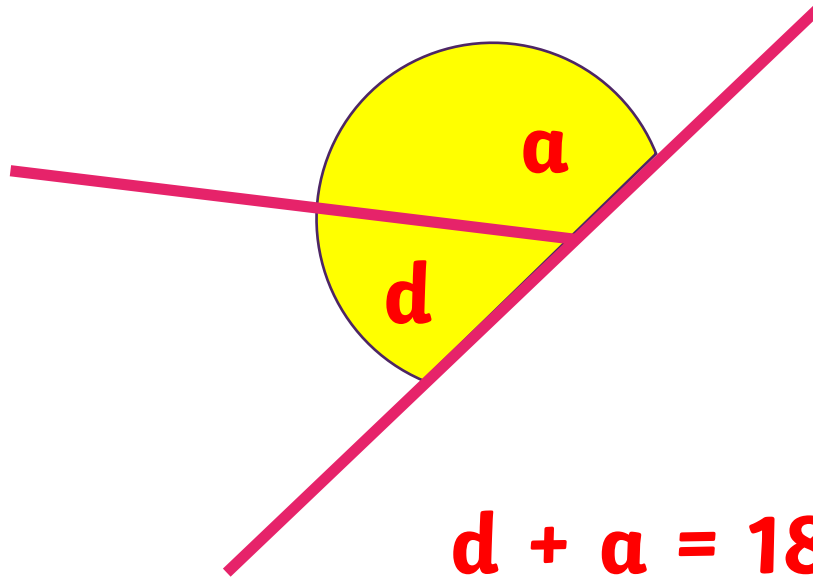


Angles on a Straight Line

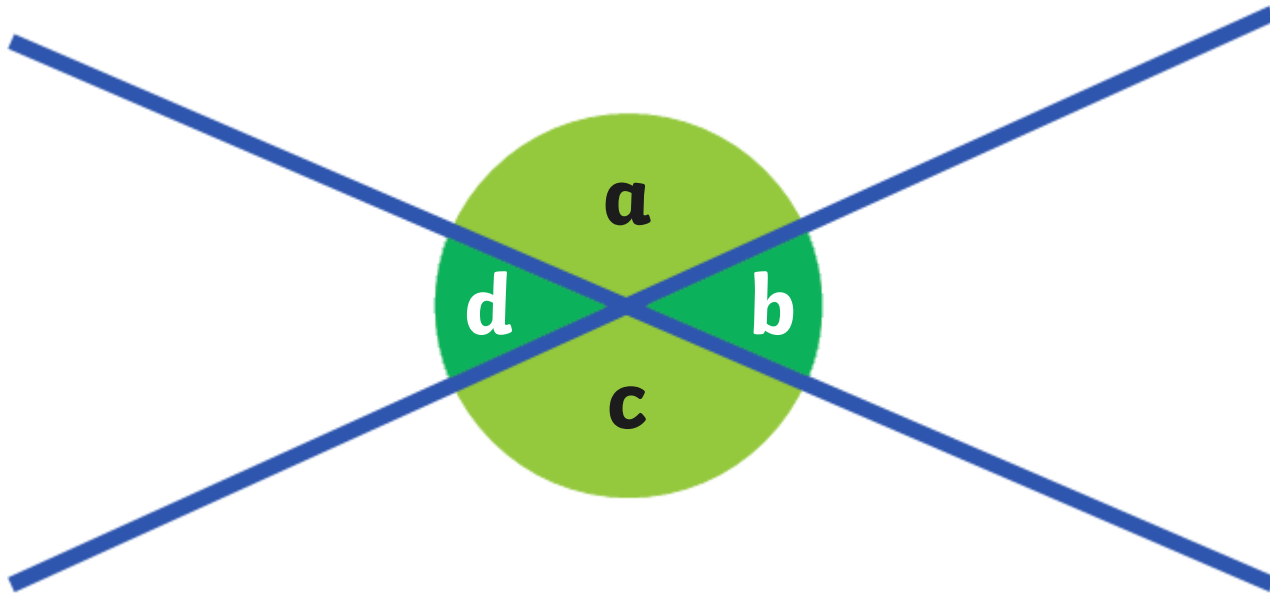
Angles on a straight line always total 180° .



$$d + a = 180^\circ$$

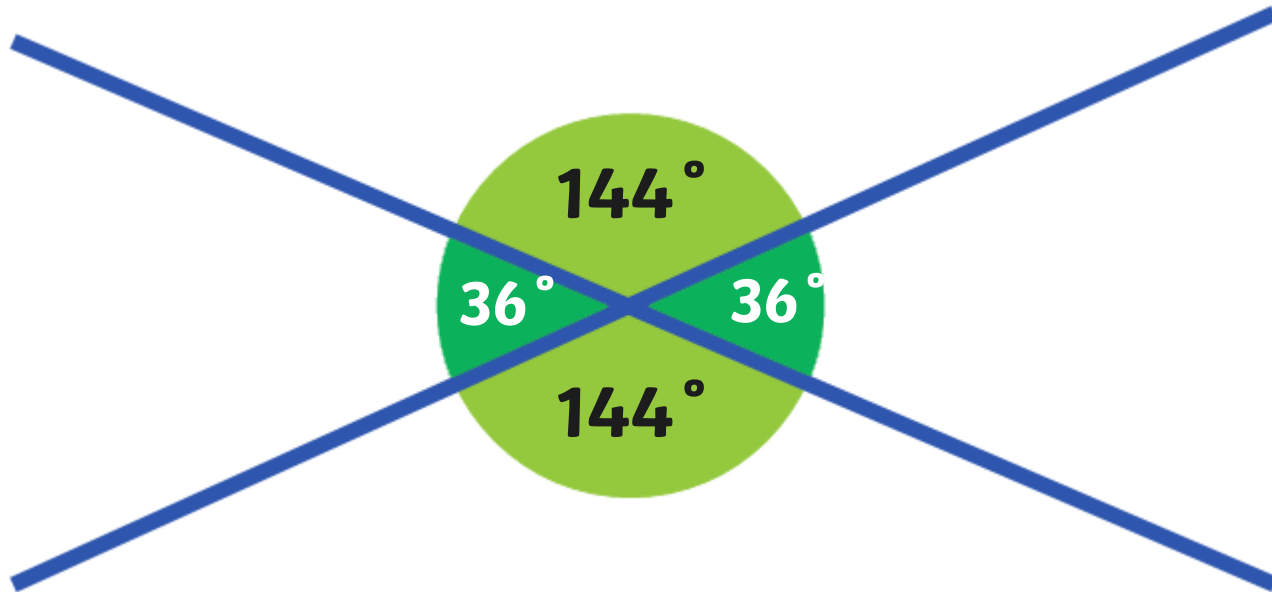
Vertically Opposite Angles

When two straight lines intersect (cross each other), four angles are created around a point which total 360° .



Vertically Opposite Angles

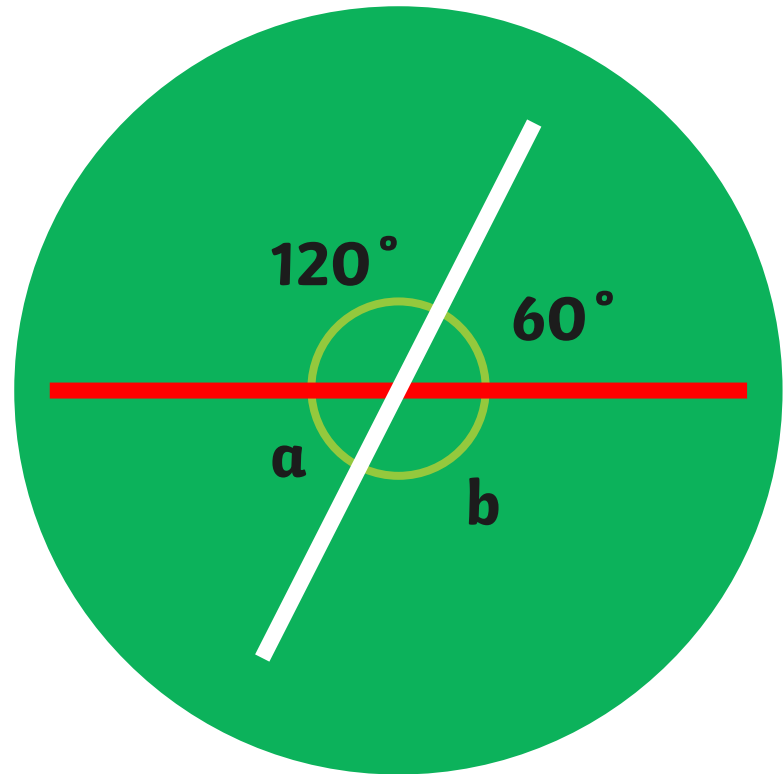
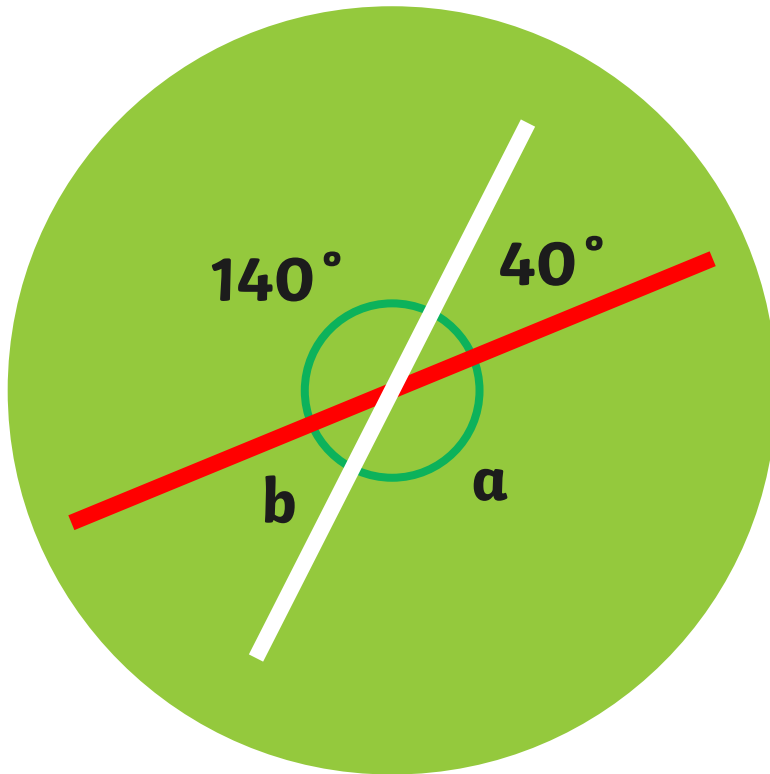
The pairs of angles that are opposite each other measure the same number of degrees and are equal (congruent).



These pairs of angles are called **vertically opposite angles**.

Missing Angles

Identify these missing angles using vertically opposite angle facts:



Have you noticed that adjacent angles are on a straight line and total 180° ?

Missing Angles

Calculate the missing angles using known angle facts:

