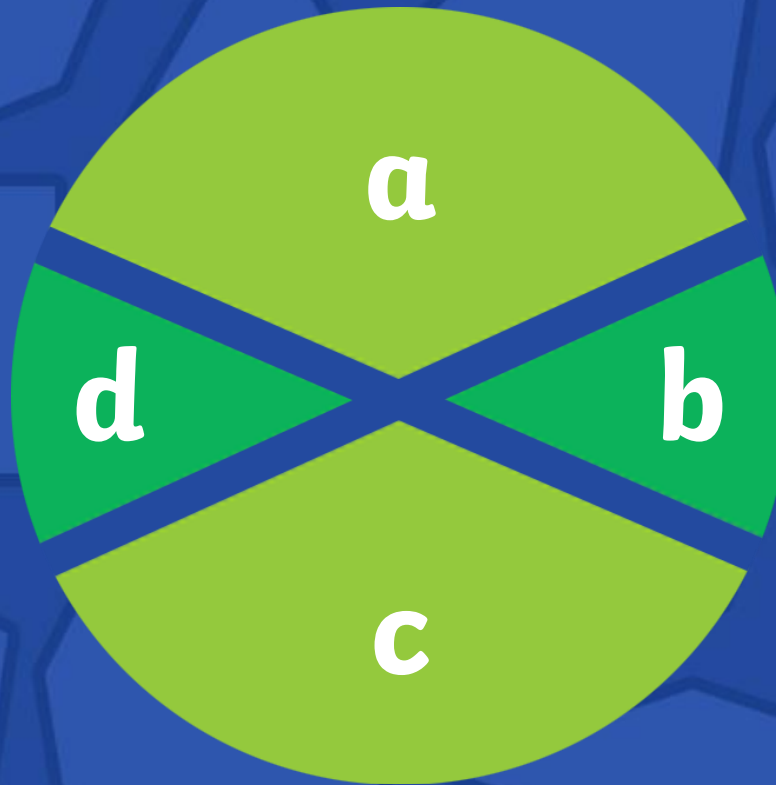


# Vertically Opposite Angles



# Aim

- To recognise angles which are vertically opposite and find missing angles.

# Success Criteria

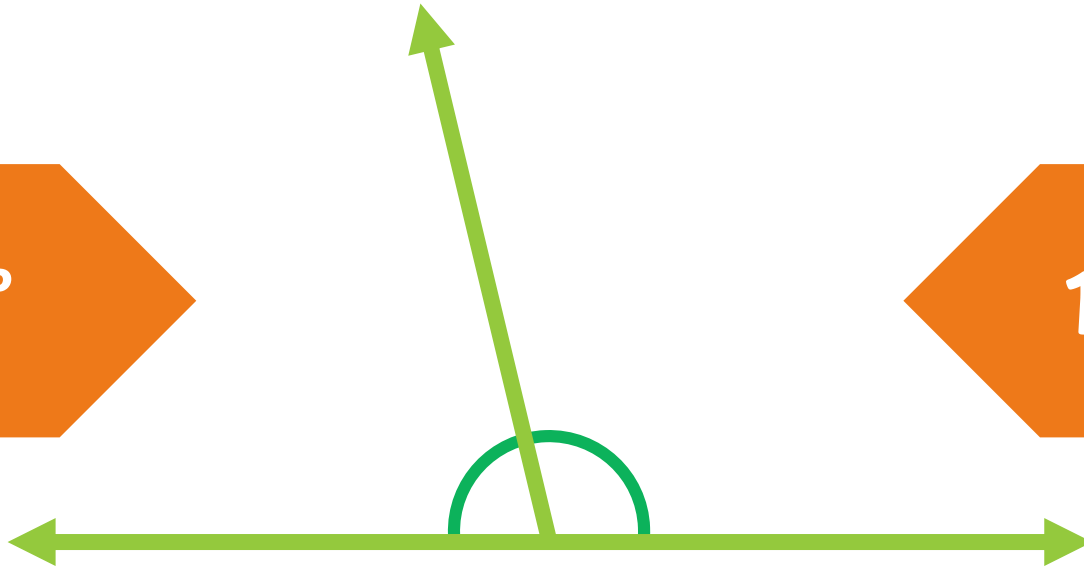
- I know that vertically opposite angles are equal.
- I can find vertically opposite missing angles.

# Estimating Angles 2



80°

100°

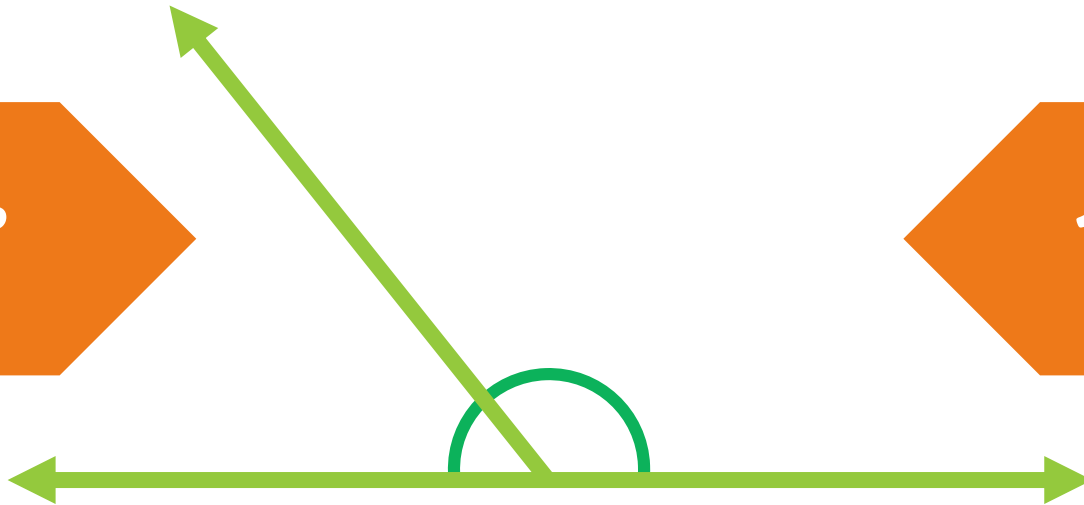


# Estimating Angles 2



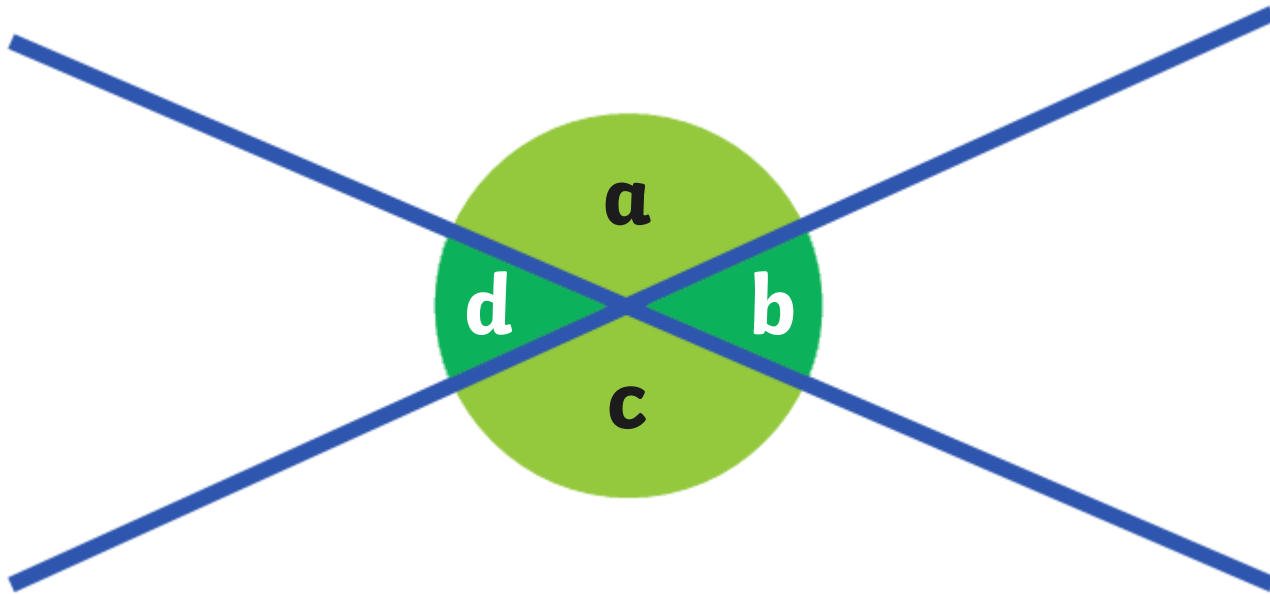
$45^\circ$

$135^\circ$



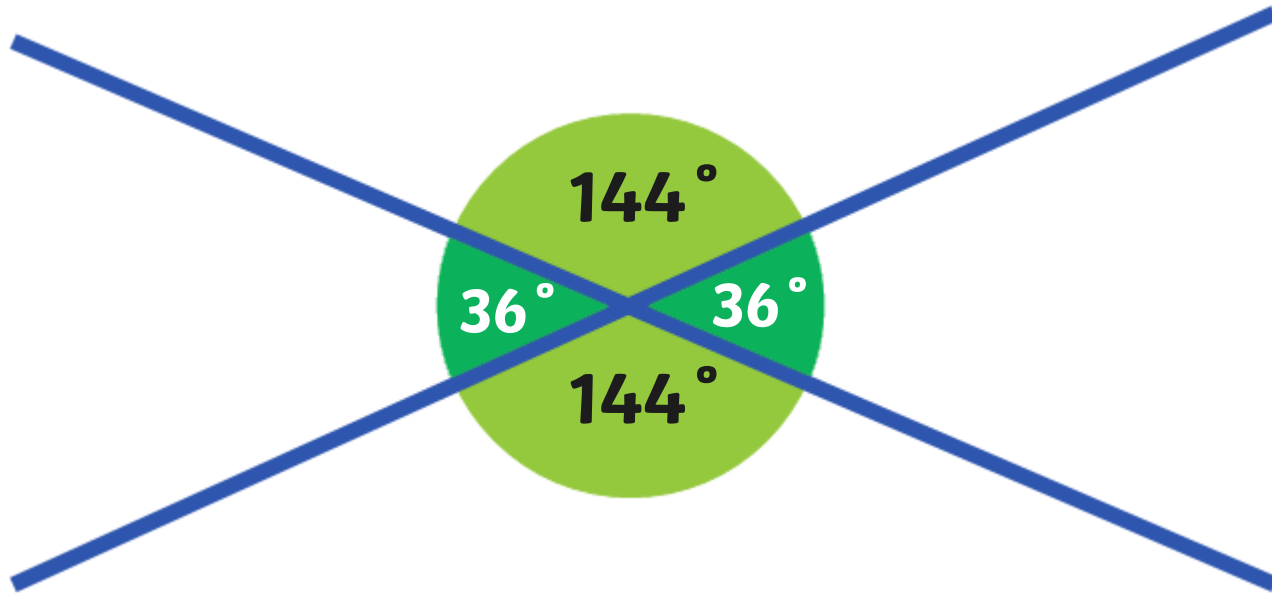
# Vertically Opposite Angles

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



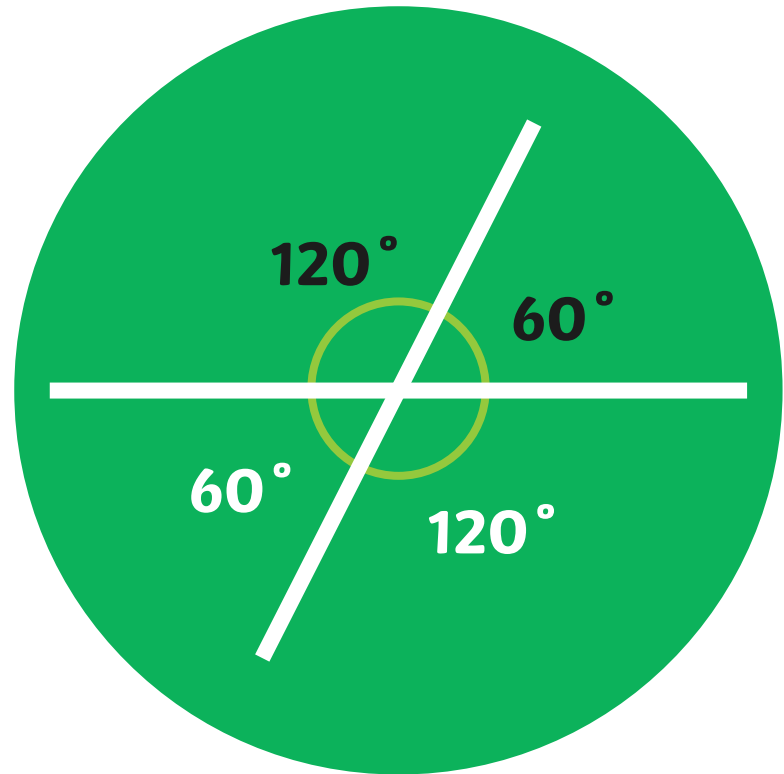
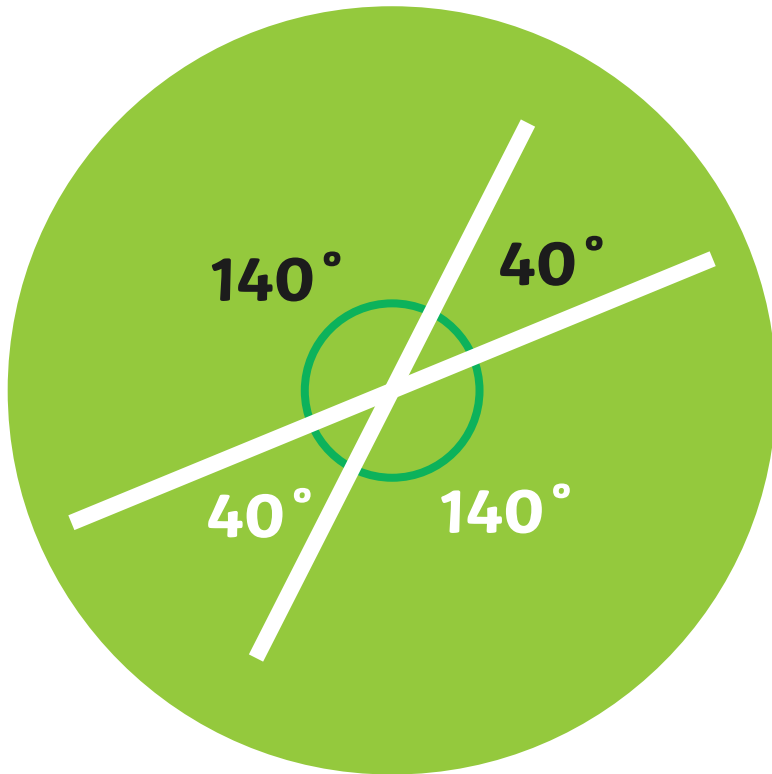
# Vertically Opposite Angles

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



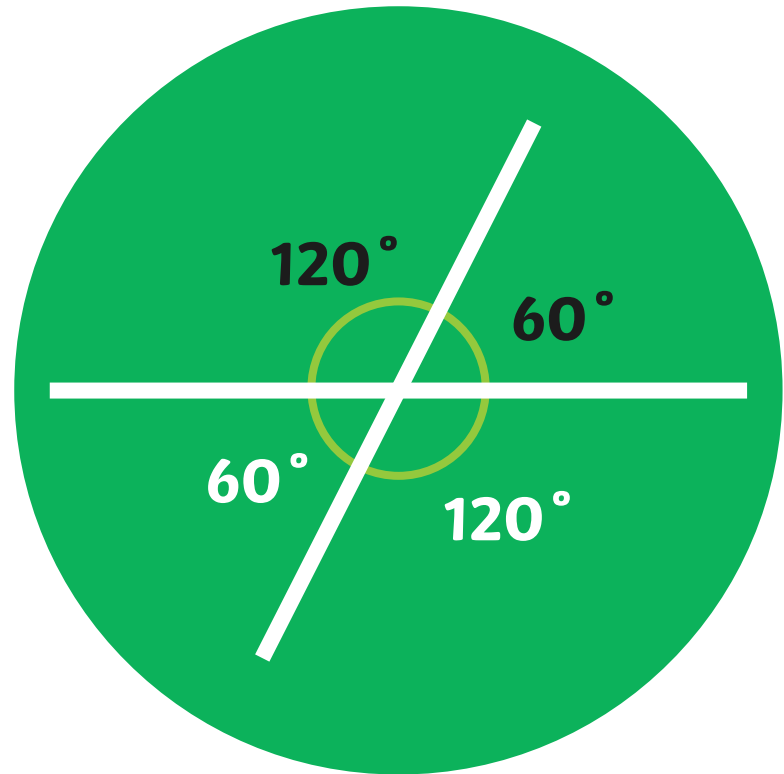
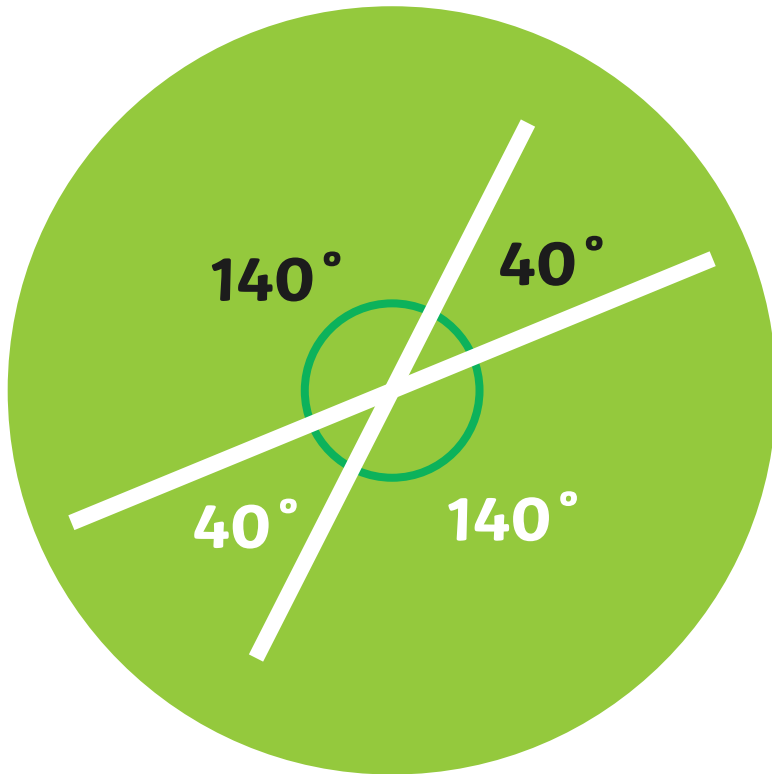
These pairs of angles are called **vertically opposite angles**.

# Missing Angles



Have you noticed that adjacent angles are on a straight line and total  $180^\circ$ ?

# Missing Angles



Have you noticed that adjacent angles are on a straight line and total  $180^\circ$ ?



# Missing Angles

Calculate the missing angles using known angle facts:

