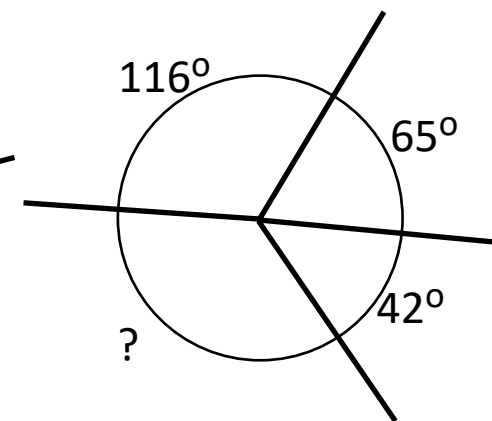
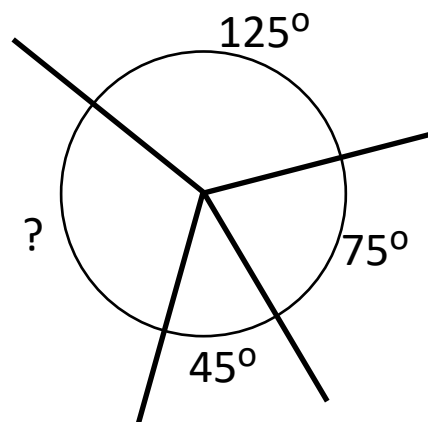
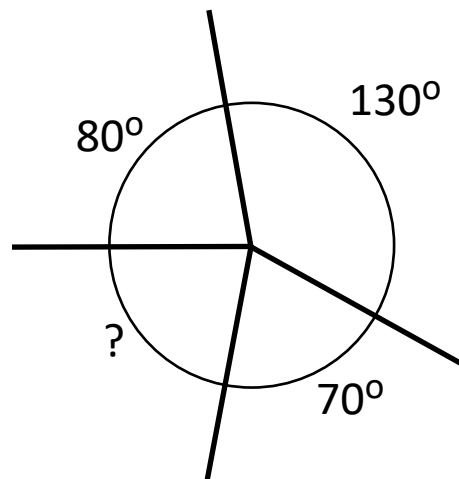
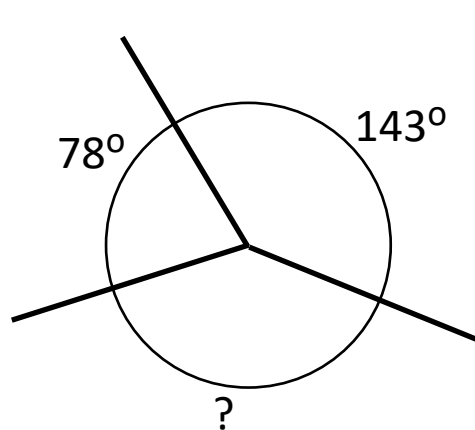
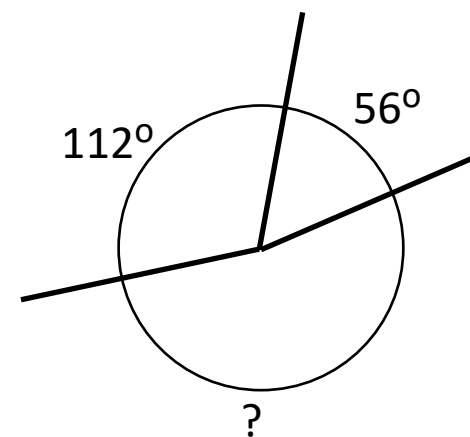
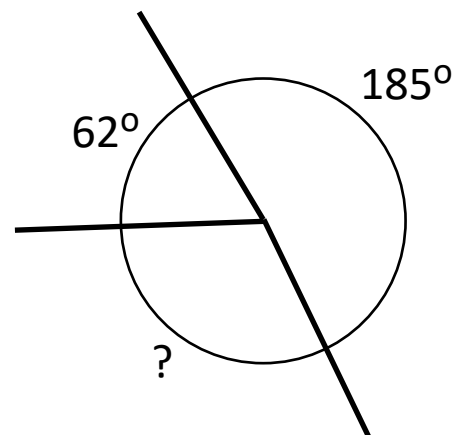
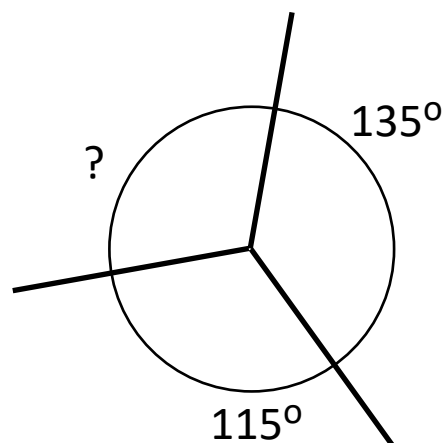
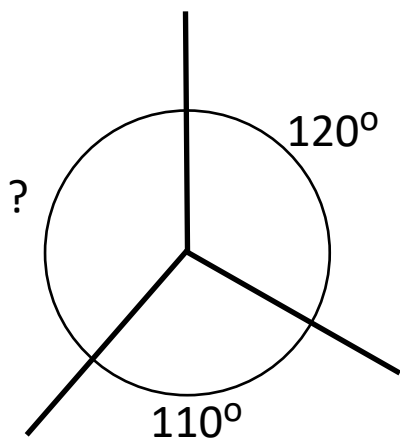


Missing angles

Sheet 2



Challenge

Draw your own sketch of 3 angles which add up to 360° without using a protractor.

Drawing polygons

Sheet 1

1. Draw an equilateral triangle. Each side should be 4cm long and each angle 60° .
2. Draw a right-angle triangle with 2 sides measuring 5cm.
3. Draw a regular hexagon. Each side should be 6cm long and the angle between each pair of sides should be 120° .
4. Draw a regular pentagon. Each side should be 7cm long and the angle between each pair of sides should be 108° .
5. Draw a regular octagon. Each side should be 5cm long and the angle between each pair of sides should be 135° .
6. Draw a hexagon with at least one reflex angle and at least one right angle.
7. Draw a symmetrical octagon with at least one acute angle.
8. Draw an irregular octagon with at least two right angles.
9. Draw an isosceles triangle with 2 angles measuring 55° . What will the third angle be?
10. Draw an irregular but symmetrical quadrilateral with at least one reflex angle.

Challenge

We know that the sum of the internal angles of a triangle is 180° , and for a square it's 360° (4 x right angles).
Draw a polygon whose internal angles add up to 900° .