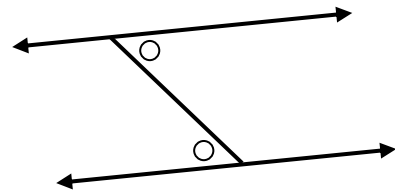
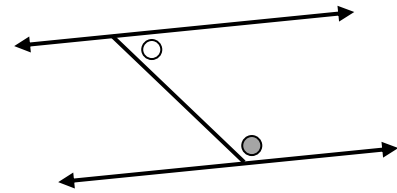


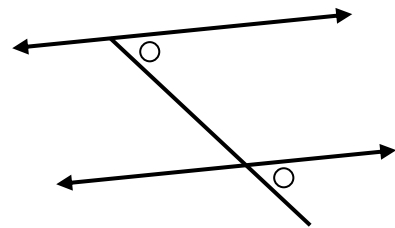
Alternate angles on parallel lines
are equal



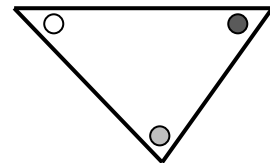
Co-interior angles on parallel lines
add to 180°



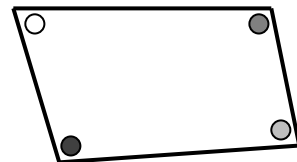
Corresponding angles on parallel lines
are equal



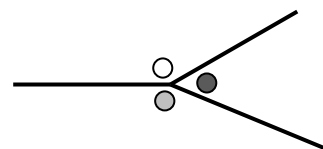
Interior angles of any **triangle**
add to 180°



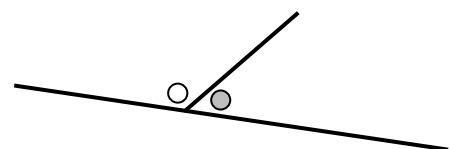
Interior angles of any **quadrilateral**
add to 360°



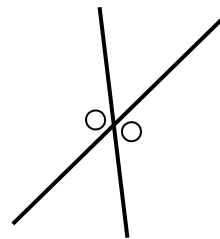
Angles at a point
add to 360°



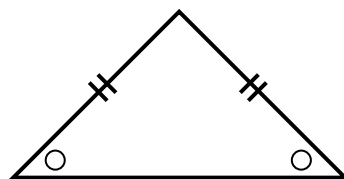
Angles on a **straight line**
add to 180°



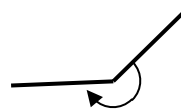
Vertically opposite angles
are equal



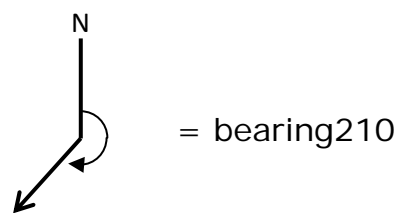
Base angles of **isosceles triangle**
are equal



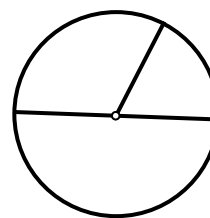
Reflex angle
is more than 180°



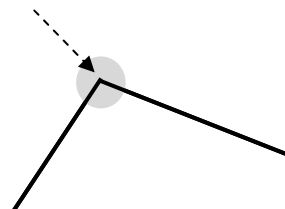
Bearing



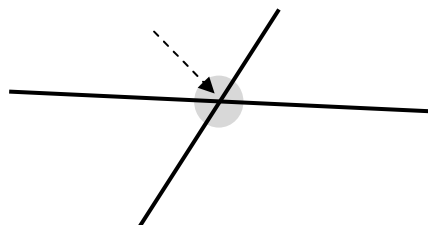
Radius
and **Diameter**



Vertex

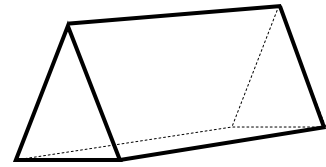


Intersection

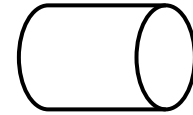


A prism

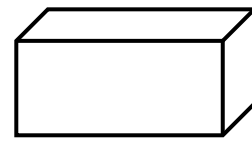
Has the same **cross-section**
for its whole length



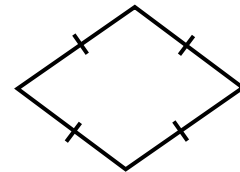
Cylinder



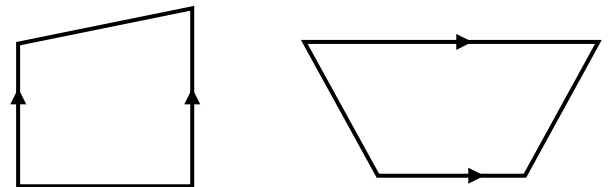
Cuboid



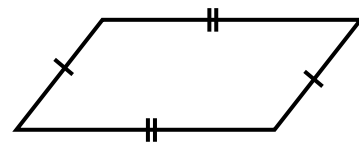
Rhombus



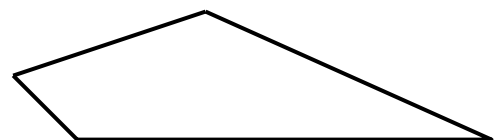
Trapezium



Parallelogram



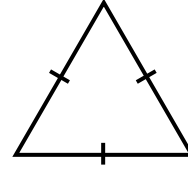
Quadrilateral



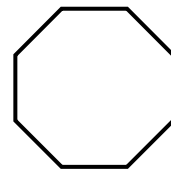
A **regular** polygon

A closed shape with **equal sides** and **equal angles**

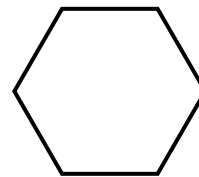
Equilateral triangle



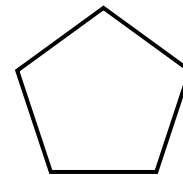
Regular **octagon**



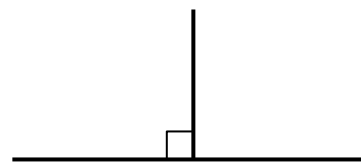
Regular **hexagon**



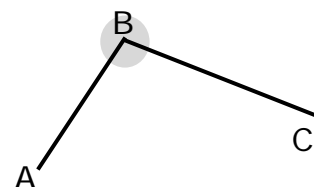
Regular **pentagon**



Perpendicular

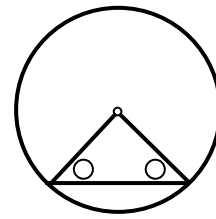


$\angle ABC$



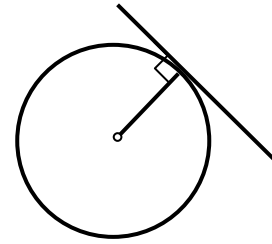
Y10

A **triangle formed from two radii** is isosceles



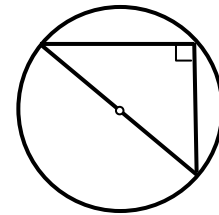
Y10

A **tangent** is at 90° to the radius it touches



Y10

An **angle formed from a diameter** is a right angle



Y10

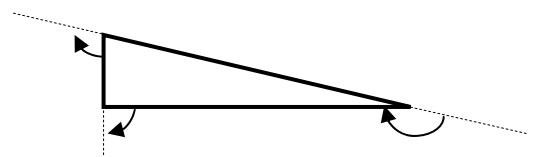
The **sum** of the **interior angles** of any polygon

$$180^\circ \times (\text{sides} - 2)$$

Y10

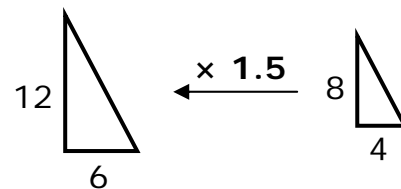
The **sum** of the **exterior angles** of any polygon

$$360^\circ$$



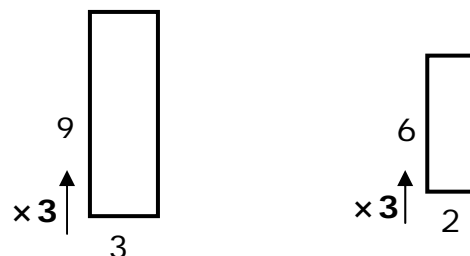
Similar shapes

Have the same size angles and a scale factor of enlargement



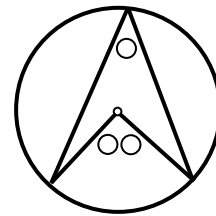
Similar shapes

Share a ratio of side lengths



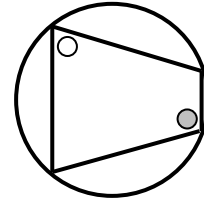
Y11

An **angle at the centre**
is twice the angle at the edge
from the same arc



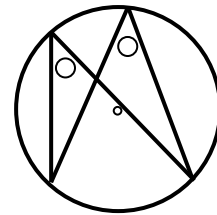
Y11

Opposite angles
of a **cyclic quadrilateral**
add to 180°



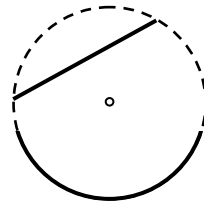
Y11

Angles from the same arc
to the outside are equal



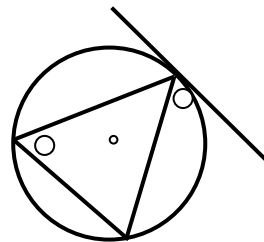
Y11

Chord
and **Arc**



extra

The **angle from tangent**
to chord is equal to the angle
angle subtended by that chord



extra

Tangents from an external point
are equal length

