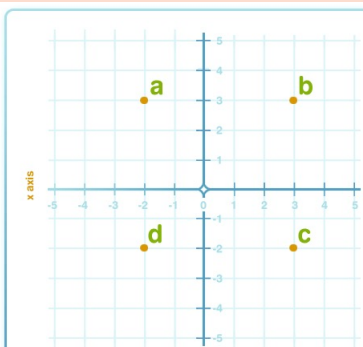


Polygon names

3 sides	triangle
4 sides	quadrilateral
5 sides	pentagon
6 sides	hexagon
7 sides	heptagon
8 sides	octagon
9 sides	nonagon
10 sides	decagon

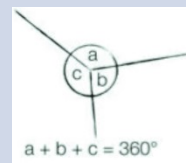
Example of grid divided into four quadrants



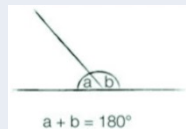
Point A has coordinates of (-2,3)
 Point B has coordinates of (3,3)
 Point C has coordinates of (3,-2)
 Point D has coordinates of (-2,-2)

Basic angle facts

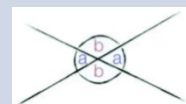
Angles **around a point** add up to 360°



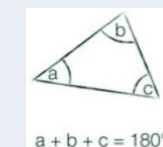
Angles on a **straight line** add up to 180°



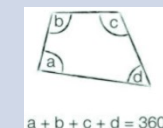
Vertically **opposite angles** are equal



Angles in a **triangle** add up to 180°



Angles in a **quadrilateral** add up to 360°



Number of degrees in a **right angle**

90°

Acute angles

$< 90^\circ$

Obtuse angles

$> 90^\circ$

Reflex angles

$> 180^\circ$ and $< 360^\circ$

Some key vocabulary

polygon	a 2D shape made from 3 straight lines or more.
regular polygon	a polygon with all sides equal in length, and all interior angles equal in size
parallel	lines that have the same distance continuously between them. They never intersect.
interior angle	an angle between two adjacent sides inside a polygon
perpendicular	a line meeting another at a right angle.
translation	moving a shape to another position, without changing it in any way.
coordinates	a set of values that show an exact position
x axis	the horizontal axis on a grid
y axis	the vertical axis on a grid