

## What do I need to be able to do?

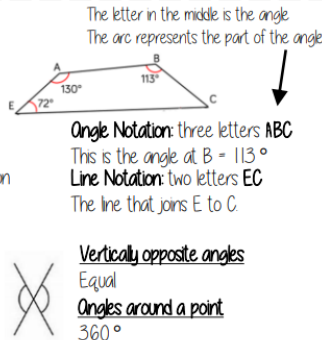
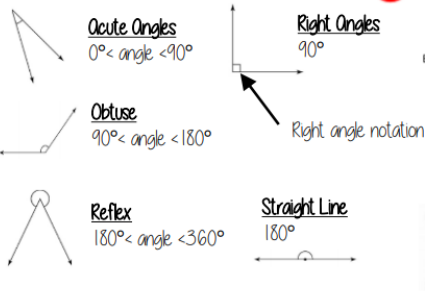
By the end of this unit you should be able to:

- Identify alternate angles
- Identify corresponding angles
- Identify co-interior angles
- Find the sum of interior angles in polygons
- Find the sum of exterior angles in polygons
- Find interior angles in regular polygons

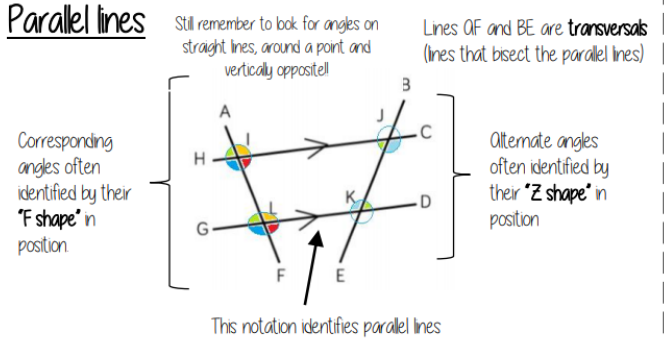
## Keywords

- Parallel:** Straight lines that never meet
- Angle:** The figure formed by two straight lines meeting (measured in degrees)
- Transversal:** A line that cuts across two or more other (normally parallel) lines
- Isosceles:** Two equal size lines and equal size angles (in a triangle or trapezium)
- Polygon:** A 2D shape made with straight lines
- Sum:** Addition (total of all the interior angles added together)
- Regular polygon:** All the sides have equal length; all the interior angles have equal size.

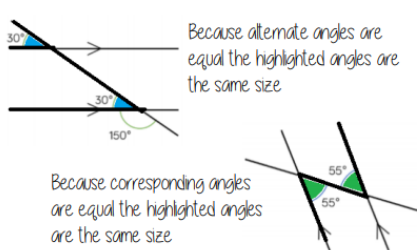
## Basic angle rules and notation



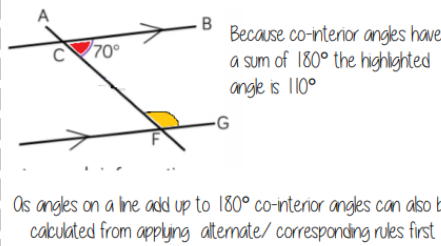
## Parallel lines



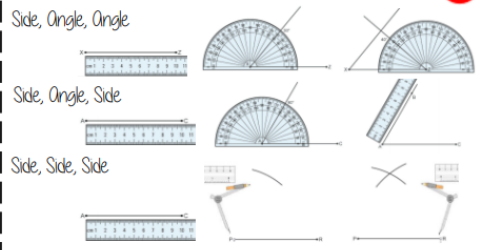
## Alternate/ Corresponding angles



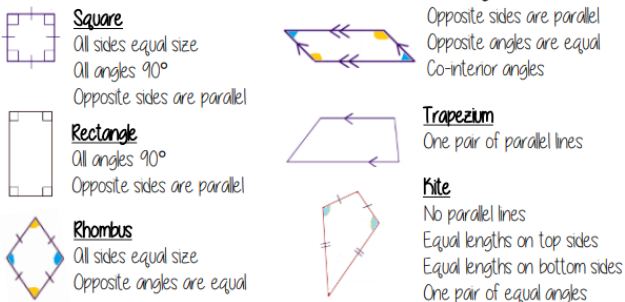
## Co-interior angles



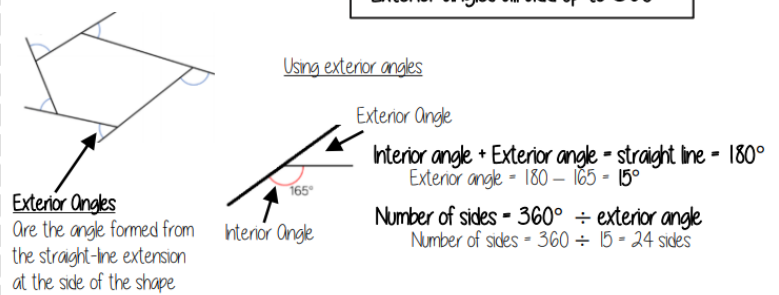
## Triangles & Quadrilaterals



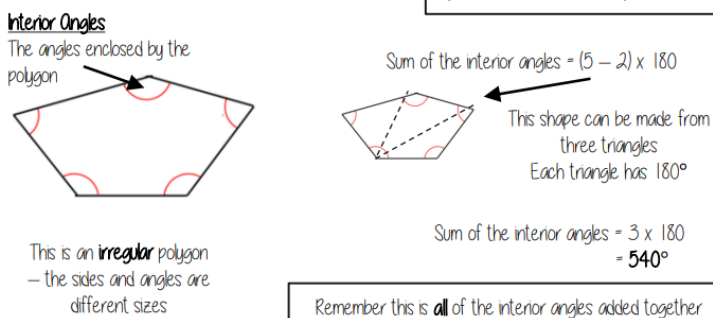
## Properties of Quadrilaterals



## Sum of exterior angles



## Sum of interior angles



## Missing angles in regular polygons

