

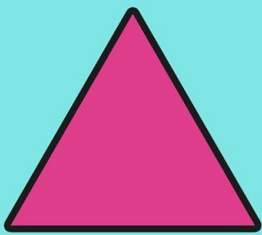
# Polygons

A polygon is a shape with **straight** sides.

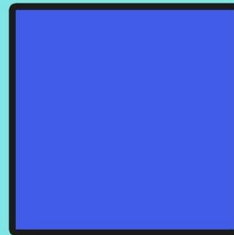
If all the sides are the same length, the shape is **regular**.

If they are not the same length, it is **irregular**.

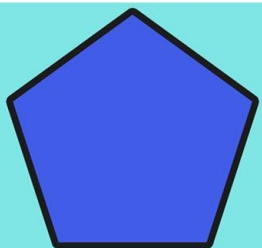
Regular shapes have equal sides **and** equal angles.



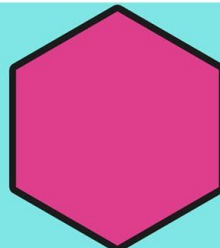
3 equal sides  
3 equal angles  
regular triangle



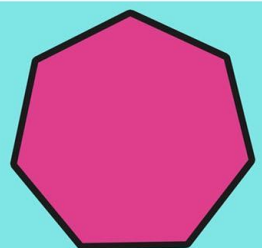
4 equal sides  
4 equal angles  
regular  
quadrilateral



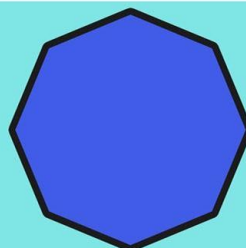
5 equal sides  
5 equal angles  
regular pentagon



6 equal sides  
6 equal angles  
regular hexagon



7 equal sides  
7 equal angles  
regular heptagon



8 equal sides  
8 equal angles  
regular octagon