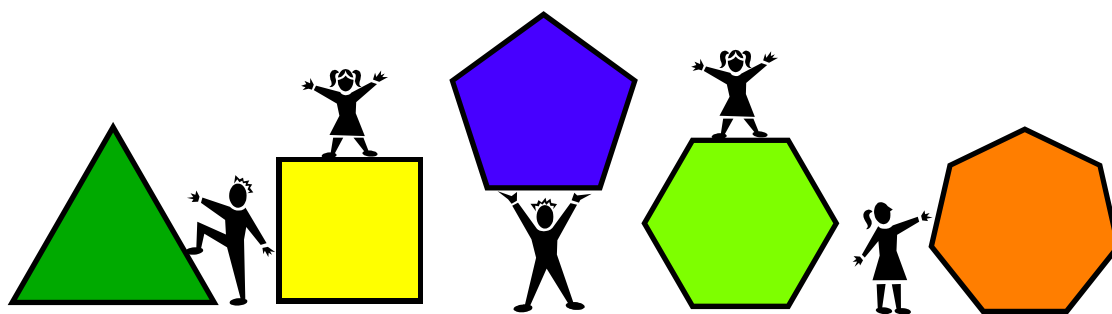


# POLYGONS and ANGLES



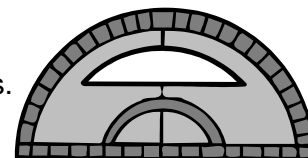
We will be investigating the angles of various polygons – and the sum of the angles.

	SUM
Draw a triangle (3) – measure the angles – record the angles here >	
Draw a quadrilateral (4) – measure the angles – record here >	
Draw a pentagon (5) – measure – record >	
Draw a hexagon (6) – measure – record >	
Draw a heptagon (7) – measure – record >	
Draw an octagon (8) – measure – record >	

Make sure that you use a ruler to draw straight lines for each polygon.

Measure the angles as accurately as you can.

When you have finished – check your answers with your friends.



What do you notice about your results?

What would be the sum of the angles of a 12-sided figure?	
What would be the sum of the angles of a 20-sided figure?	

**B R A I N B O X X**

