Angles in Polygons. Downloadable Resource – Regular interior/exterior angles (and mean of irregular).

Mr. Thomas







Connect



Mean interior angle in an n-sided polygon = $\frac{180 (n-2)}{n}$

Mean exterior angle in an n-sided polygon = $\frac{360}{n}$





Independent Task

Find the exterior **and** interior angle of a regular octagon.

Find the exterior **and** interior angle of a regular decagon.



The sum of the interior angles of a polygon is 1980°.

How many sides does this polygon have?







Find the regular polygon which has an interior angle of 156°

Cala and Antoni are each thinking of a regular polygon. How many sides do their polygons have?



My regular polygon has an exterior angle of 1°.

