

Regular Polygons Continued

Vocabulary:

Angles

Acute angles are less than 90°

Obtuse angles are between 90° and 180°

Right angles are 90°

Straight angles are 180°

Reflex angles are between 180° and 360°

Vertex: the point where 2 lines meet.

Diagonal: a line that joins 2 non-neighbouring vertices.

The sum of the exterior angles in a regular polygon:

The sum of the exterior angles in regular polygons is 360°

Perimeter of a Regular Polygon

In a regular polygon all sides are congruent (equal). Therefore, to find the perimeter of a regular polygon, we multiply the number of sides (n) by the length of each side (s).

Formula:

$P = n \times s$

Example:



A regular hexagon with sides equal to 5 cm has a perimeter equal to_____.