

Maths: Angles in Polygons

Task

Find the interior angles of a regular polygon

Task 1

Complete the table below by dividing each polygon into triangles, or by using the formula for the sum of the interior angles in a polygon.

Polygon	Number of sides, n	Number of triangles, (n-2)	Sum of interior angles	Size of each angle
Square	4	2	360°	90°
Regular pentagon				
Regular hexagon				
Regular heptagon				
Regular octagon				
Regular nonagon				
Regular decagon				

Task 2

The shapes below are a combination of 2 regular polygons.

Find the size of the marked angles.

