1) Find the interior angle sum of the polygon shown below [1]

2) Find one interior angle of a regular polygon with 7 sides, giving your answer to 3 significant figures where necessary [1]

3) Find the exterior angle sum of the polygon shown below [1]
4) Find one exterior angle of the regular polygon shown below, giving your answer to 3 significant figures where necessary

![Polygon](image)

5) One exterior angle of a regular polygon is 36°. Find the number of sides of the polygon.

6) One interior angle of a regular polygon is 135°. Find the number of sides of the polygon.

7) Complete the sentence below:

   4 equilateral triangles and ...... hexagon(s) will tessellate together.

8) Complete the sentence below with the name of a regular polygon:

   2 regular octagons and 1 ............... will tessellate together.
Solutions for the assessment Interior and Exterior Angles - regular polygons

1) Interior angle sum = 720°

2) Interior angle = 129°

3) Exterior angle sum = 360°

4) Exterior angle = 45°

5) \( n = 10 \)

6) \( n = 8 \)

7) 1

8) square