ZiloAcademy

✨ Grade 10 Maths — Polygon Geometry ✨

Name: Demo **Date:** 26/11/2026

1. Each exterior angle of a regular polygon is 3°. How many sides does it have?

2. Which has the bigger interior angle sum: a polygon with 24 sides, or one with 21 sides?

3. The interior angles of a polygon add to 8280°. How many sides does it have?

4. Find the sum of the interior angles of a 53-sided polygon (degrees).

5. Which has the bigger interior angle sum: a polygon with 37 sides, or one with 21 sides?

6. Find the sum of the interior angles of a 49-sided polygon (degrees).

7. Each exterior angle of a regular polygon is 8°. How many sides does it have?

8. Which has the bigger interior angle sum: a polygon with 11 sides, or one with 24 sides?

9. Find the size of each interior angle of a regular 20-sided polygon (degrees).

10. Which has the bigger interior angle sum: a polygon with 25 sides, or one with 35 sides?