

Question 1: Find the missing angle in each irregular polygon









Angles in Polygons Videos 32 on Corbettmaths

Question 5: Calculate the size of each interior angle in regular polygons with

(a) 15 sides	(b) 20 sides	(c) 24 sides	(d) 30 sides
(e) 36 sides	(f) 40 sides	(g) 50 sides	(h) 60 sides
(i) 72 sides	(j) 80 sides	(k) 90 sides	(l) 100 sides

Question 6: Each of the polygons below are regular. Calculate the size of each exterior angle, y.



Question 7: Calculate the size of each exterior angle in regular polygons with

(a) 15 sides	(b) 18 sides	(c) 20 sides	(d) 24 sides
(e) 30 sides	(f) 36 sides	(g) 40 sides	(h) 45 sides
(i) 60 sides	(j) 72 sides	(k) 90 sides	(l) 200 sides

Question 8: Shown below is one interior angle from regular polygons. Calculate how many sides the polygons have.



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- Question 4: A regular polygon has 30 sides. Calculate the size of each interior angle.
- Question 5: Explain why this cannot be an interior angle from regular polygons.



- Question 6: A polygon has an interior angle that is five times larger than the exterior angle. How many sides does it have?
- Question 7: Explain why regular hexagons tessellate.
- Question 8: Explain why regular pentagons do not tessellate.



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