

Angles: what is an angle?

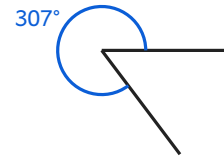
MODULE 6 · 2D AND 3D SHAPE, ANGLES, SYMMETRY SHAPE & SPACE

HOW TO ANSWER TODAY

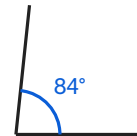
- **Classify an angle.** Acute $< 90^\circ$ · right = 90° · obtuse $90^\circ - 180^\circ$ · straight = 180° · reflex $> 180^\circ$.
 $75^\circ \rightarrow$ acute · $120^\circ \rightarrow$ obtuse · $220^\circ \rightarrow$ reflex

★ STRETCH PROBLEMS

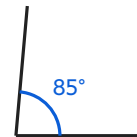
- 1 Aoife is pinning a tricolour streamer across the class door for Seachtain na Gaeilge. The streamer turns through an angle of 307° from its starting position. Is this angle acute, right, obtuse, straight or reflex?



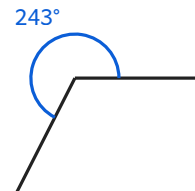
- 2 Cian is marking out a mini athletics track in the yard for sports day. The two boundary lines at the start meet at an angle of 84° . Is this angle acute, right, obtuse, straight or reflex?



- 3 Saoirse is painting a triangular pattern on a papier-mâché mask for the 5th class school play. One of the corners on her pattern measures 85° . Is this angle acute, right, obtuse, straight or reflex?



- 4 During the 5th class robotics build, Cian measures the turn his model makes on the floor. The turn is an angle of 243° . Classify the angle 243° : acute, right, obtuse, straight or reflex?



- 5 For Engineers Week, Tadhg is cutting a wooden bracket for the class woodwork project. He measures one of the corners and the protractor reads 47° . Is this angle acute, right, obtuse, straight or reflex?

