Angles: what is an angle?

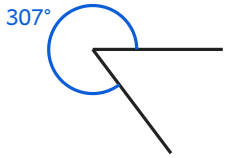
MODULE 6 · 2D AND 3D SHAPE, ANGLES, SYMMETRY SHAPE & SPACE

HOW TO ANSWER TODAY

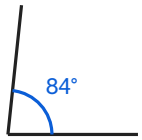
- **Classify an angle.** Acute < 90° · right = 90° · obtuse 90°–180° · straight = 180° · reflex > 180°.
  75° → acute 120° → obtuse 220° → reflex

STRETCH PROBLEMS

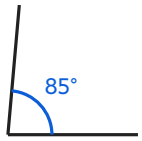
1. Aoife is pinning a tricolour streamer across the class door for Seachtain na Gaeilge. The streamer turns through an angle of **307°** from its starting position. Is this angle acute, right, obtuse, straight or reflex?



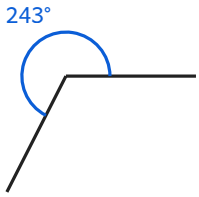
2. Cian is marking out a mini athletics track in the yard for sports day. The two boundary lines at the start meet at an angle of **84°**. Is this angle acute, right, obtuse, straight or reflex?



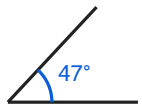
3. Saoirse is painting a triangular pattern on a papier-mâché mask for the 5th class school play. One of the corners on her pattern measures **85°**. Is this angle acute, right, obtuse, straight or reflex?



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?



SHAPE & SPACE