Lesson 75

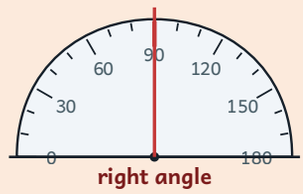
# Angles — what is an angle?

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

An **angle** is the amount of turn between two lines that meet at a point. We measure angles in **degrees (°)**. A full turn is 360°.

→ **Right angle** = 90° (a quarter turn — like the corner of this page).

→ **Straight angle** = 180° (half turn). **Acute** < 90°, **obtuse** between 90° and 180°.

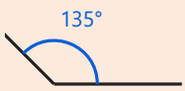



## HOW TO ANSWER TODAY

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

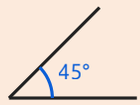
## WARM-UP

**1**




Oisín is making a rocket from cereal boxes for the 5th class junk-modelling project. He cuts a triangular fin and measures one of its corners as **135°**. Is this angle acute, right, obtuse, straight or reflex?

**2**




5th class are stitching a quilt for the school fair, with each fabric square decorated by a different pupil. Saoirse measures the angle at the corner of her zigzag pattern and finds it is **45°**. Is the angle acute, right, obtuse, straight or reflex?

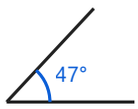
## PRACTICE

**1**




Saoirse is making a scale drawing of the school yard for art class. One of the corners between the wall and the fence measures **126°** on her protractor. Is this angle acute, right, obtuse, straight or reflex?

**2**




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?