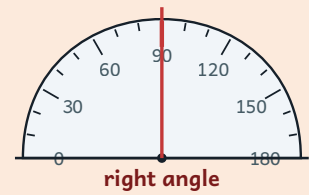


Angles – what is an angle?

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** ($^{\circ}$). A full turn is 360° .

- **Right angle** = 90° (a quarter turn — like the corner of this page).
- **Straight angle** = 180° (half turn). **Acute** $< 90^{\circ}$, **obtuse** between 90° and 180° .



HOW TO ANSWER TODAY

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

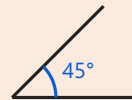
WARM-UP

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?

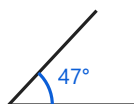
PRACTICE

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 woodworking project. He measures one of the corners and the protractor reads 47° . Is this angle acute, right, obtuse, straight or reflex?