Comparing angles to a right angle: acute and obtuse

MODULE 7 · 2D AND 3D SHAPES AND ANGLES SHAPE & SPACE

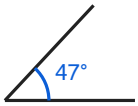
HOW TO ANSWER TODAY

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

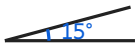
STRETCH PROBLEMS

1. Cian marks the corner of a new triangular flower patch in the school garden with a wooden peg. He measures the angle at the peg as **17°**. Is this angle acute, right, obtuse, straight or reflex?

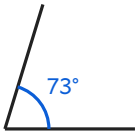
2. Cian tilts a giant chess piece on the yard chessboard and it leans at **47°** from upright. Is that angle acute, right, obtuse, straight or reflex?



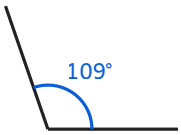
3. Aoife measures one of the corners on the kite she is building at the after-school crafts club. The corner has an angle of **15°**. Is this angle acute, right, obtuse, straight or reflex?



4. Cian marks out the corner where two lanes of the mini athletics track meet in the yard. He measures the angle at the corner as **73°**. Is this angle acute, right, obtuse, straight or reflex?



5. Cian marks a line on the wall-ball court that meets the base line at **109°**. Is that angle acute, right, obtuse, straight or reflex?



SHAPE & SPACE