Right angles: finding them in shapes and the room

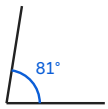
MODULE 7 · 2D AND 3D SHAPES AND ANGLES · SHAPE & SPACE

HOW TO ANSWER TODAY

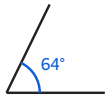
- **Classify an angle.** Acute < 90° · right = 90° · obtuse 90°–180° · straight = 180° · reflex > 180°.
  75° → acute · 120° → obtuse · 220° → reflex

STRETCH PROBLEMS

1. Cian is measuring the corner where two paths meet in the new school polytunnel, and his protractor reads **81°**. Is this angle acute, right, obtuse, straight or reflex?

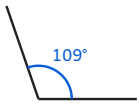


2. Cian paints a bunting flag for GAA finals day and one corner of it forms an angle of **64°**. Is that angle acute, right, obtuse, straight or reflex?



3. Cian is drawing the pass diagram for a soccer move on the school pitch, and one of the passes turns through **158°**. Is this angle acute, right, obtuse, straight or reflex?

4. Cian sketches the corner where two lines meet on the school soccer pitch, and measures the angle as **109°**. Is that angle acute, right, obtuse, straight or reflex?



5. Aoife measures the corner where two lines of the yard's hopscotch grid meet and finds it is **132°**. Is this angle acute, right, obtuse, straight or reflex?

INVESTIGATE

Right-angle hunt

Make a paper right-angle checker. Find and sketch **ten** right angles in the room (furniture, windows, books, floor tiles). Mark each with a small square corner. Which places had the most? Did any 'almost' right angles fool you?

SHAPE & SPACE