

Right angles: finding them in shapes and the room

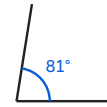
MODULE 7 · 2D AND 3D SHAPES AND ANGLES SHAPE & SPACE

HOW TO ANSWER TODAY

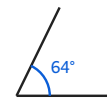
- **Classify an angle.** Acute $< 90^\circ$ · right = 90° · obtuse $90^\circ - 180^\circ$ · straight = 180° · reflex $> 180^\circ$.
 $75^\circ \rightarrow$ acute · $120^\circ \rightarrow$ obtuse · $220^\circ \rightarrow$ reflex

★ STRETCH PROBLEMS

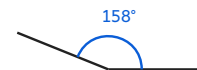
- 1 Cian is measuring the corner where two paths meet in the new school polytunnel, and his protractor reads **81°** . Is this angle acute, right, obtuse, straight or reflex?



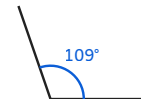
- 2 Cian paints a bunting flag for GAA finals day and one corner of it forms an angle of **64°** . Is that angle acute, right, obtuse, straight or reflex?



- 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?
