

Angles inside 2D shapes

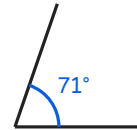
MODULE 7 · 2D AND 3D SHAPES AND ANGLES SHAPE & SPACE

HOW TO ANSWER TODAY

- **Name a 2D shape.** Count sides, check which are equal, count right angles, check parallel pairs.
Then name it.
4 equal sides, 0 right angles → rhombus · 4 sides, 1 pair parallel → trapezium
- **Classify an angle.** Acute $< 90^\circ$ · right $= 90^\circ$ · obtuse $90^\circ - 180^\circ$ · straight $= 180^\circ$ · reflex $> 180^\circ$.
 $75^\circ \rightarrow$ acute · $120^\circ \rightarrow$ obtuse · $220^\circ \rightarrow$ reflex

STRETCH PROBLEMS

- 1 For his art lesson, Oisín is drawing new floor tiles for the school yard. Each tile has 6 equal sides and 6 equal angles. Which 2D shape is Oisín drawing?
- 2 Cian is building a robot in 4th class and needs a flat panel for its body. His panel has 4 sides with 2 pairs of equal length and 4 right angles. Which 2D shape is the panel?
- 3 Daithí is building a small raised bed in the school garden. He cuts three timber sides, all of different lengths, and joins them into a closed shape. Which 2D shape has 3 sides all of different lengths?
- 4 Cian uses a protractor to check the corner of a new raised bed in the school garden. The angle he measures is 71° .
Is this angle acute, right, obtuse, straight or reflex?



- 5 Cian is drawing shapes for a homemade Snakes and Ladders board. He wants one game token shaped like a flag with 3 equal sides and 3 equal angles. Which 2D shape should he draw?



SHAPE & SPACE