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° · right = 90° · obtuse 90°–180° · straight = 180° · reflex > 180°.
  75° → acute 120° → obtuse 220° → reflex

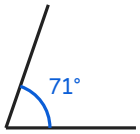
STRETCH PROBLEMS

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