

Classifying triangles and quadrilaterals by properties

MODULE 7 · 2D SHAPE, 3D SHAPE 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

★ STRETCH PROBLEMS

- 1 Cian is painting shapes onto a banner for the GAA county finals day. His teacher asks him to add a shape with **6** equal sides and **6** equal angles in the centre. Which 2D shape should Cian paint?
- 2 Tadhg is making a homemade Snakes and Ladders board for 5th class. He draws a special tile in the middle that has **6** equal sides and **6** equal angles. What 2D shape is the tile?
- 3 Tadhg is painting a banner for the GAA finals day at the local pitch. The banner has **4** sides, with **1** pair of parallel sides and the other **2** sides equal in length. Which 2D shape is the banner?
- 4 Oisín is cutting flat panels from cereal boxes for a junk-modelling project in 5th class. One panel has **4** sides with **2** pairs of equal length and **4** right angles. Which 2D shape is the panel?
- 5 At the after-school crafts club, Oisín is cutting fabric panels for a kite. One panel has **3** sides with exactly **2** sides equal in length. What is the name of this 2D shape?



SHAPE & SPACE