

# Constructing triangles from given measurements

MODULE 7 · 2D SHAPE, 3D SHAPE AND ANGLES REVIEW

## 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

- 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?

Which 2D shape has these properties: 6 equal sides and 6 equal angles?
- 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?

Which 2D shape has these properties: 6 equal sides and 6 equal angles?
- Eoin is sketching a flowerbed for the 5th class school garden. He wants the flowerbed to have **4** sides with exactly **1** pair of parallel sides. Which 2D shape should he draw?

Which 2D shape has these properties: 4 sides with exactly 1 pair of parallel sides?
- 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?

Which 2D shape has these properties: 4 sides with 2 pairs of equal length and 4 right angles?
- Méabh is cutting card shapes for the 5th class corridor display. Her teacher asks her to find the shape with **3** sides and exactly **2** equal sides for the tessellation pattern. Which 2D shape should she cut?

Which 2D shape has these properties: 3 sides with exactly 2 equal sides?