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. Róisín is choosing shapes for a tessellation pattern on the corridor display. Which 2D shape has these properties: 8 equal sides and 8 equal angles?

2. Róisín is cutting fabric shapes for the bunting at the school summer fair. She needs a shape with 5 equal sides and 5 equal angles. Which 2D shape has these properties?

3. Aoife cuts paper shapes to decorate the class door for Seachtain na Gaeilge. One shape has 4 sides with 1 pair of parallel sides and the other 2 sides equal in length. Which 2D shape has these properties?

4. Aoife is painting shapes on a banner for GAA finals day. One shape has 6 equal sides and 6 equal angles. Which 2D shape is it?

5. Saoirse is cutting tiles for a homemade Snakes and Ladders board in 6th class. One tile has 4 sides arranged as 2 pairs of equal sides next to each other. Which 2D shape has these properties?