

Reflection – reflecting a shape across a line

MODULE 8 · SYMMETRY, LOCATION AND TRANSFORMATION REVIEW

HOW TO ANSWER TODAY

- **Transformations.** Slide without turning → translation. Flip (mirror) → reflection. Turn → rotation.
Triangle slid left → translation · Letter flipped → reflection

★ STRETCH PROBLEMS

- 1 The clock on the classroom wall shows the minute hand sweeping through a quarter turn during a lesson. Is this movement a translation, a reflection or a rotation?
- 2 Cian is decorating the classroom art wall with a stencil pattern. The same motif repeats across the wall, sliding along so every shape is identical to the next. Is this transformation a translation, a reflection or a rotation?
- 3 Out on the yard, Oisín watches a bicycle wheel spin one full revolution, and the spoke he marked with chalk returns to its start. Is this a translation, a reflection or a rotation?
- 4 In art class, Oisín pins a paper flag shape to the noticeboard and turns it **90 degrees** clockwise around its corner. Is this move a translation, a reflection or a rotation?
- 5 Cian is fitting a triangular roof panel onto the den in the school orchard. To make it match, he turns the panel **180 degrees** around its centre. Is this move a translation, a reflection or a rotation?



REVIEW

