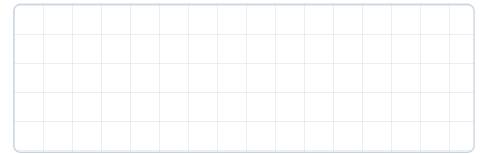
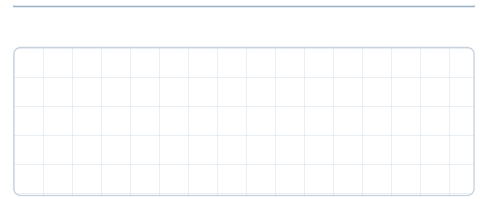


Directions and routes (left/right, forwards/back, N/S/E/W)

MODULE 8 · SYMMETRY, LOCATION AND TRANSFORMATION SHAPE & SPACE

★ STRETCH PROBLEMS

- 1 Seán stands at the hall door facing East. He turns right, then he turns right again. Which way is he facing now?
- 2 Eoin and Darragh start on the same square, both facing North. Eoin goes forwards **2**, turns right, then goes forwards **3**. Darragh turns right, goes forwards **2**, then goes forwards **3**. Do they finish on the same square?
- 3 Ciara walks from the school gate **3** squares North, then **2** squares West, to reach the shed. Write the directions to walk back from the shed to the gate.
- 4 On a map of the town, the library is **4** squares East and **2** squares South of the school. How many squares long is the shortest route from the school to the library? Which compass direction do you travel in most?
- 5 Pádraig faces South. Is East on his left or on his right?



● INVESTIGATE

Route around the yard

Draw a simple map of your schoolyard with **North** marked. Pick a start point and write clear step-by-step directions to three places using forwards, back, left, right and the compass points. Can a partner follow each route exactly without asking?



SHAPE & SPACE