

Multiplication as arrays and repeated addition

MODULE 2 · THE FOUR OPERATIONS — MENTAL AND WRITTEN NUMBER

★ STRETCH PROBLEMS

- 1 On a sponsored cycle, Tadhg pedals **251 metres** each lap of the cycle path. He completes **7** laps in total. How many metres does he cycle altogether?
- 2 For the school sleepover, each of the **9** classrooms is set up with **827** wooden building blocks for the morning craft station. How many building blocks are set out in total?
- 3 For the family reunion at granny's house, each of the **5** tables needs **947 cent** worth of bread rolls. How many cent do the rolls cost for all **5** tables together?
- 4 The school library orders **5** boxes of new reading books for 3rd and 4th class. Each box holds **120** books. How many books does the library order in total?
- 5 A school tour to the Cliffs of Moher costs **€695** for each 4th class group. There are **5** groups going on the trip. How much do all the groups pay in total?

● INVESTIGATE

Arrays all around

Find or sketch five real arrays in your classroom or school (window panes, egg boxes, calendar grids...). Write each as a multiplication **and** as repeated addition. Which array can you turn on its side to show a different fact?
