

Multiplying a 2-digit number by 1 digit – partition and the grid method

MODULE 2 · THE FOUR OPERATIONS — MENTAL AND WRITTEN NUMBER

★ STRETCH PROBLEMS

- 1 The school library lends out **386** books each week. Over **5** weeks, the same number goes out every week. How many books are lent out in total across the **5** weeks?
- 2 **8** coaches set off on a school trip towards the Burren in Clare. Each coach travels **777 metres** to reach the first stop. How many metres do the coaches travel in total?
- 3 Granny keeps her hay in **8** sheds on the farm near Galway. Each shed holds **352** bales. How many bales of hay does Granny have in total?
- 4 The Camogie club has **9** teams training under the floodlights, and each team collects **249** sliotars from the pitch after their session. How many sliotars do the teams collect in total?
- 5 The Cumann na mBunscol blitz raises **592 euro** at each of its **6** fundraising stalls at the county grounds. How much money do the stalls raise in total?

● INVESTIGATE

Grid-method challenge

Choose a 2-digit or 3-digit number and multiply it by a single digit using the **grid method**. Now change just one digit of the larger number — how much does the product change, and why? Try three more pairs.
