

Multiplying a 3-digit number by 1 digit

MODULE 2 · THE FOUR OPERATIONS — MENTAL AND WRITTEN

NUMBER

STRETCH PROBLEMS

- 1 9 coaches head to the Burren in Clare, and each coach travels 831 metres along the same winding road before the first stop. How many metres do the coaches travel altogether?
- 2 At the Cumann na mBunscol blitz, 5 schools each bring 497 supporters to the county grounds. How many supporters come to the blitz in total?
- 3 The school's fun run raised 999 cent for every lap completed by the runners. Together the runners finished 7 laps of the pitch. How many cent did the fun run raise in total?
- 4 Mr Ó Sé needs a set of 28 worksheets for each of the 7 classes in the school. He runs them off in the photocopier room this evening. How many worksheets does he print in total?
- 5 Every Saturday, Oisín brings 68 seeds to feed the ducks at the local pond. He does this for 5 Saturdays in a row. How many seeds does he bring 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.
