

Factors, multiples, primes and composites

MODULE 2 · OPERATIONS AND COMPUTATIONAL FLUENCY NUMBER

★ STRETCH PROBLEMS

- 1 5th class are making paper bunting flags to decorate the classroom for World Book Day. Each of the 9 strings of bunting has 3386 mm of ribbon along the top. What is the total length of ribbon needed for all 9 strings?
- 2 On the school nature walk through the local park, 5th class count 3427 steps along one loop of the trail. The teacher tells them they will walk the same loop 7 times across the term. How many steps will they take in total?
- 3 The school library has 4190 books on its shelves. The principal orders the same number of books for each of the 7 primary schools in the parish. How many books are needed in total?
- 4 The local hurling club sold 251 match programmes at each of the 7 home games this season. How many programmes did the club sell in total?
- 5 Tadhg saves €249 from his pocket money each year. After 9 years of saving, how much will he have put away in total?

● INVESTIGATE

Which numbers have the most factors?

List the factors of every number from 1 to 30. Which number has the **most** factors? Do you notice anything about the numbers with many factors? Which numbers have exactly two?
