

A first look beyond 1,000 – the thousands

MODULE 1 · PLACE VALUE — WHOLE NUMBERS TO 1,000 AND ROUNDING NUMBER

HOW TO ANSWER TODAY

- **Value of a digit.** Find which place the digit sits in, then write what it is worth there as a number (not the place name).

In 3,742 the digit 7 sits in the hundreds place. Its value is 700.

- **Expanded form.** Write the number as a sum of its place values. Skip any part that is 0.

$3,482 = 3,000 + 400 + 80 + 2 \cdot 70,050 = 70,000 + 50$

STRETCH PROBLEMS

- 1 The school canteen sold **3,772** cartons of milk over the year, and the manager wrote the total on the noticeboard. Write **3,772** in expanded form.
- 2 4th class are studying a school plan drawn on grid paper. It shows that the hall covers **2486** squares, the yard covers **7628** squares, the playing field covers **7553** squares, and the car park covers **2963** squares. Write these areas in order from smallest to largest.
- 3 The school tuck shop sold **695** pencils, **967** rubbers and **299** stickers this term. Write these totals in order from smallest to largest.
- 4 On the school nature walk through the local park, 3rd class read a sign saying the park has **4,857** trees planted in total. Saoirse points to the digit **4** in the number. What is the value of the digit **4** in **4,857**?
- 5 On a sponsored cycle, 4th class cycle **3,772 metres** in total along the local cycle path. In the number **3,772**, what is the value of the digit **2**?