

Placing and estimating numbers on a number line

MODULE 1 · PLACE VALUE — WHOLE NUMBERS TO 9,999 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.

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

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 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**?
- 3 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**?