Lesson 3

Reading and writing 3-digit numbers

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 · 70,050 = 70,000 + 50

TRY IT ON THE LINE

Set out each number from today's lesson in the place-value columns, then read it aloud.

Th	H	T	U

1. Write each number into the columns, one under the other.
2. Say the value of each digit (e.g. the 4 in 0 0 4 0 is four tens).
3. Make the largest and the smallest number you can from the same digits.

PRACTICE

1. The school tuck shop sold **695** pencils, **967** rubbers and **299** stickers this term. Write these totals in order from smallest to largest.

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**?

CHALLENGE

1. 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.

2. 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.