

Place value to 999 – re-anchor hundreds, tens and units

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.

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

- **Compare or order.** Compare one place at a time, starting from the LEFT. Use < (less than), > (greater than), or = (equal).

$3.45 < 3.54$ · Smallest → largest: 0.7, 0.71, 1.07

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 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** ?

- 2 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** ?

CHALLENGE

- 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 At break time, Aoife checks the rainfall chart her class has been keeping for the school garden. The chart shows three Mondays in October had rainfall of **4.80 mm**, **9.84 mm** and **7.32 mm**. Order the rainfalls from smallest to largest.