

Place value to 9,999 – the thousands column

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.
- Decimal places.** Tenths is the first digit after the point, hundredths the second, thousandths the third.
 In 4.82 the digit in the tenths place is 8. · In 0.345 the hundredths digit is 4.
- 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

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

PRACTICE

- 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** ?
- 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

- 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.
- 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.