

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 At the Cumann na mBunscol blitz, the county grounds recorded a total attendance of **9,482** people across the day. On a number line marked in 100s, which two marks does **9,482** sit between, and which one is it nearer to?
- 2 For World Book Day, 4th class made a giant number line for the corridor, marked every **100**. Their reading-challenge total is **9,789** books. Which two marks does **9,789** sit between, and which mark is it nearer to?
- 3 The scoreboard at the Cliffs of Moher visitor centre shows that **9,789** people visited last week. On a number line marked in 100s, which two marks does **9,789** sit between, and which one is it nearer to?
- 4 On sports day, **4,786 metres** are run in total across all the relay teams. On a number line marked in 100s, which two marks does **4,786** sit between, and which one is it nearer to?
- 5 The class noticeboard shows that **8,191** books have been read by the whole school this year. On a number line marked in 100s, which two marks does **8,191** sit between, and which one is it nearer to?