

Place-value investigation and review – make the biggest and smallest number

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.

★ STRETCH PROBLEMS

- 1 Cara and her cousins are pooling their savings to buy a family present, and so far they have **3396 cent** in the jar. Round **3396** to the nearest **1000** to estimate how much they have.
- 2 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.
- 3 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.
- 4 Oisín uses **250** lollipop sticks to build his model bridge for STEM week. He wants to write the total on his poster rounded to the nearest **100**. What number should he write?
 Round 250 to the nearest 100.
- 5 4th class are mapping the school orchard. Three apple trees have signs showing how many apples were picked from each last autumn: **249**, **570** and **565**. Write these numbers in order from smallest to largest.