

Place-value investigation and review – biggest and smallest 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.

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

★ 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 There are **696** books on the 4th class library shelves, and the teacher wants a rough total to write on the noticeboard. Round **696** to the nearest **100**.
- 5 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**?