

Rounding to the nearest 10

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 In a science investigation, 4th class time how many drops of water trickle through a jar of soil in an hour. They count **4200** drops in total. Round **4200** to the nearest **1000**.
- 2 Aoife's class kept a tally of every spin of their homemade colour spinner during Maths Week and counted **8861** spins in total. Round **8861** to the nearest **1000**.
- 3 During a place-value game, 4th class draw the digit cards **5**, **1**, **4**, and **9**. Using each card once, make the biggest **4**-digit number you can.
- 4 Pupils across the whole school read **3396** books during the October reading challenge. The teacher wants to round this total to the nearest **1000** for the noticeboard. What is **3396** rounded to the nearest **1000**?
- 5 The 5th-class sponsored walk raised **€6729** for the school garden. Round **€6729** to the nearest **1000** to estimate the total for the noticeboard.