

Comparing numbers to 9,999 – digit by digit

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 Down at the pond, Oisín makes number cards for the digits **2**, **1**, **8** and **3**. Using each digit once, what is the biggest **4**-digit number he can make?
- 2 For a project, 4th class count how many people visited four Wicklow attractions last month: **7951**, **374**, **9199** and **8732** visitors. Write these numbers in order from smallest to largest.
- 3 The sign at the local pond says **4,034** ducks were counted over the summer. In the number **4,034**, what is the value of the digit **4** in the ones place?
- 4 On the coach trip to the Burren, Tadhg's number puzzle uses the digits **4**, **8**, **1** and **3** once each. What is the smallest **4**-digit number he can make?
- 5 The school website counted the visitors to its news page on four different days: **2486**, **7628**, **7553** and **2963**. Write these numbers in order from smallest to largest.

INVESTIGATE

Shuffle the digits

Use the digits **3**, **0**, **8** and **5** once each. Make the biggest and smallest four-digit numbers you can. How many different four-digit numbers can you make in total? Which of your numbers is closest to **5,000**, and how do you know?
