

Comparing numbers to 1,000 digit-by-digit

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.

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

WARM-UP

- a. In 365, what is the value of the digit 6

- b. Write these numbers in order from smallest to largest: 84, 34, 79.

- c. How many cent are in €4.90

- d. Round 85 to the nearest 10.

PRACTICE

- 1 On the school nature walk through the local park, 3rd class read a sign saying the park has **4,857** trees planted in total. Saoirse points to the digit **4** in the number. What is the value of the digit **4** in **4,857**?

- 2 The school tuck shop sold **695** pencils, **967** rubbers and **299** stickers this term. Write these totals in order from smallest to largest.

CHALLENGE

- 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 At the cinema kiosk on the 4th class trip, a small popcorn costs **€1.30** and a bottle of water costs **€1.75**. Which one costs more?

Which is more — €1.3 or €1.75?