

Ordering a set of numbers to 1,000

MODULE 1 · PLACE VALUE — WHOLE NUMBERS TO 1,000 AND ROUNDING NUMBER

HOW TO ANSWER TODAY

- **Compare or order.** Compare one place at a time, starting from the LEFT. Use < (less than), > (greater than), or = (equal).
 $3.45 < 3.54$ · Smallest → largest: 0.7, 0.71, 1.07
- **Decimal places.** Tenths is the first digit after the point, hundredths the second, thousandths the third.
 In 4.82 the digit in the tenths place is 8. · In 0.345 the hundredths digit is 4.
- **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. Round 29 to the nearest 10.
- b. Insert <, > or = 5.9 9.9
- c. How many cent are in €3.80
- d. In 2.9, which digit is in the tenths place

PRACTICE

- 1 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**?
- 2 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.

CHALLENGE

- 1 At Camogie training under the floodlights, Aoife's coach times her sprint between two cones at **2.9 seconds**. In **2.9**, which digit is in the tenths place?
- 2 At break time, Aoife checks the rainfall chart her class has been keeping for the school garden. The chart shows three Mondays in October had rainfall of **4.80 mm**, **9.84 mm** and **7.32 mm**. Order the rainfalls from smallest to largest.