

Decimals on the number line to thousandths

MODULE 1 · PLACE VALUE, DECIMALS AND THE NUMBER SYSTEM

NUMBER

HOW TO ANSWER TODAY

- **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.
- **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

★ STRETCH PROBLEMS

- Ms Murphy marks the 5th class sprint times on a number line on the board before the pupils line up at the door for yard. Cian's time was **3.387 seconds** over the class average. Between which two whole numbers does **3.387** sit on the number line, and which whole number is it closer to?
- The school weather chart logged the rainfall at the GAA pitch on four days last week as **9.40 mm**, **7.753 mm**, **6.89 mm** and **6.26 mm**. Order the rainfalls from smallest to largest.
- The school weather chart shows the rainfall on four Mondays in October as **7.02 mm**, **2.880 mm**, **4.03 mm** and **7.130 mm**. Niamh needs to put the readings on the noticeboard in order. Order the rainfalls from smallest to largest.
Order from smallest to largest: 7.02, 2.88, 4.03, 7.13
- On the coach trip to the Burren, Cian's GPS app shows the bus has travelled **4.191 km** since the last stop. Between which two whole kilometres does **4.191** sit on the number line, and which whole kilometre is it closer to?
- Three pupils in 5th class run a sponsored cycle for Cumann na mBunscol. Cian cycles **9.66 km**, Saoirse cycles **7.15 km** and Oisín cycles **9.44 km**. Order the distances from smallest to largest.