Place value of decimals 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.
- **Expanded form (decimals).** Write the decimal as a sum of its parts: ones, tenths, hundredths. Skip any part that is 0.
  4.52 = 4 + 0.5 + 0.02 · 0.07 = 0.07

STRETCH PROBLEMS

1. At the sleepover, Cian works out that his sleeping bag, pillow and a packet of biscuits cost his mam **€3.428** in total before the till rounded to the nearest cent. On a number line, between which two whole euros does **3.428** sit, and which whole euro is it closer to?

2. Saoirse weighs out **5.71 kg** of duck feed for the wardens at the local pond. Write **5.71** in expanded form, showing the ones, tenths and hundredths parts.

3. On the 5th class tour to the Cliffs of Moher, Oisín walks **8.32 km** along the cliff path during the day. Write **8.32** in expanded form, showing the ones, tenths and hundredths parts.