

Modelling thousandths with concrete and visual tools

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 On the 5th class nature walk through the local park, Oisín measures a small toadstool and notes its height in his copybook as 2.52 cm. Write 2.52 in expanded form, showing the ones, tenths and hundredths parts.
- 3 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.