

Decimals to thousandths

MODULE 1 · PLACE VALUE AND THE DECIMAL 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 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?

- 2 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?

- 3 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.

- 4 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.

- 5 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.