

Linking simple fractions and decimals ($\frac{1}{2} = 0.5$, $\frac{1}{4} = 0.25$)

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

HOW TO ANSWER TODAY

- **Expanded form (decimals).** Write the decimal as a sum of its parts: ones, tenths, hundredths. Skip any part that is 0.

$$4.52 = 4 + 0.5 + 0.02 = 4.52$$

STRETCH PROBLEMS

- 1 Cian is line leader and his 4th-class line measures **5.71 m** long along the corridor wall before going to the yard. Write **5.71** in expanded form, showing the ones, tenths and hundredths parts.
- 2 Aoife cuts a tray of flapjacks into **7** equal pieces for her sleepover. Her friends eat **5** of the pieces before bedtime. What fraction of the tray has been eaten?
 A shape is divided into 7 equal parts and 5 are shaded. What fraction of the shape is shaded?
- 3 At granny's farm there are **11** calves in the back field, all the same age. **3** of the calves are black and the rest are brown. What fraction of the calves are black?
 A shape is divided into 11 equal parts and 3 are shaded. What fraction of the shape is shaded?
- 4 After the club hurling match at the local pitch, Tadhg runs the **50 m** sprint drill in **6.96 seconds**. Write **6.96** in expanded form, showing the ones, tenths and hundredths parts.