

# Linking simple fractions and decimals

MODULE 3 · FRACTIONS AND FIRST DECIMALS NUMBER

## HOW TO ANSWER TODAY

- **Lowest terms.** Divide top and bottom by the same number until you can't go any further.  
 $12/18 \div 6 \rightarrow 2/3$
- **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.

## STRETCH PROBLEMS

- On sports day, **21** of the **24** pupils in Cian's class finished the **60 m** sprint before the whistle. Write the fraction **21/24** in its lowest terms.  
 Simplify 21/24 to lowest terms.
- Tadhg weighs his packed schoolbag on the digital scale and it reads **4.58 kg**. Write **4.58** in expanded form, showing the ones, tenths and hundredths parts.
- The class weighs the bird seed poured into the window feeder and the scales read **2.34 kg**. Write **2.34** in expanded form, showing the ones, tenths and hundredths parts.
- The 4th class bird-feeder log shows that **12** of the **15** birds spotted this week were finches. Write the fraction **12/15** in its lowest terms.  
 Simplify 12/15 to lowest terms.
- At Camogie training under the floodlights, Aoife takes **40** shots at goal and scores **36** of them. Write the fraction **36/40** in its lowest terms.  
 Simplify 36/40 to lowest terms.

## INVESTIGATE

### Fraction-decimal twins

List as many fraction-decimal **twins** as you can (for example  $\frac{1}{2} = 0.5$  and  $\frac{1}{4} = 0.25$ ). Order your decimals from smallest to largest. Which pairs were easy, and which made you stop and think — and why?

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