

# Adding and subtracting fractions with unlike denominators

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

## HOW TO ANSWER TODAY

- **Different-bottom fractions.** Bottoms different → make them the same first (common denominator). Then add or subtract the tops.

$$1/2 + 1/3 \rightarrow 3/6 + 2/6 = 5/6$$

## ★ STRETCH PROBLEMS

- 1 At Camogie training under the floodlights, the coach has set out a long warm-up lap around the pitch. Saoirse jogs  $9/12$  of the lap, then walks back  $2/7$  of the lap to fetch her water bottle. How far around the lap is she now?
- 2 On the way to Glendalough, the 5th class bus stops for a break. Oisín drinks  $1/2$  of a bottle of water, then opens a second bottle and drinks  $4/5$  of that one. How many bottles of water has he drunk in total?
- 3 Saoirse's granny bakes two barmbracks for Halloween. The family eats  $2/5$  of the first barmbrack on Saturday and  $1/6$  of the second barmbrack on Sunday morning. How much barmbrack have they eaten in total?