

# Adding and subtracting mixed numbers

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 On the school tour to the Cliffs of Moher, Oisín drinks  $3/4$  of a bottle of water on the coach. Later at the viewing point he drinks another  $6/9$  of a second bottle. How many bottles of water has he drunk in total?
- 2 Mr Ó Briain is stacking worksheet bundles in the photocopier room for tomorrow's lessons. He fills  $2/4$  of one paper tray with maths worksheets and  $8/9$  of a second tray with English worksheets. How much tray space has he filled in total?
- 3 Niamh helps out at her granny's farm in Wicklow, filling buckets of feed for the calves. The first bucket is  $2/4$  full and the second bucket is  $4/5$  full. How much feed is there altogether, as a fraction of a bucket?
- 4 5th class rehearse their assembly piece for  $4 \frac{4}{5}$  hours in the first week and  $2 \frac{3}{5}$  hours in the second week. How many hours have they rehearsed in total?
- 5 Mr O'Sullivan uses  $3/4$  of one box of photocopier paper for the maths worksheets, then  $3/5$  of a second box for the English worksheets. How many boxes of paper has he used altogether?