Comparing and ordering fractions with unlike denominators

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

HOW TO ANSWER TODAY

- **Compare fractions.** Make the bottom numbers (denominators) the same first. Then compare the top numbers.
  1/4 and 1/3 → 3/12 and 4/12 → 1/4 < 1/3

STRETCH PROBLEMS

1. Méabh checks how full four reading baskets are in the 5th class library. The baskets are **3/4**, **7/12**, **1/12** and **1/8** full of books. Order the baskets from smallest to largest amount of books.

2. Three pupils in 5th class have filled their water bottles before heading out to the yard. Oisín's bottle is **3/4** full, Aoife's is **7/8** full, and Tadhg's is **1/5** full. Order the bottles from least full to most full.

   Order from smallest to largest: 3/4, 7/8, 1/5

3. Three pupils in 5th class fill their water bottles before going out to the yard. Oisín fills **3/4** of his bottle, Aoife fills **7/12** of hers, and Tadhg fills **1/12** of his. Order the bottles from smallest amount to largest amount of water.