

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.

STRETCH PROBLEMS

- 1 Méabh checks how full four reading baskets are in the 5th class library. The baskets are $\frac{3}{4}$, $\frac{7}{12}$, $\frac{1}{12}$ and $\frac{1}{8}$ full of books. Order the baskets from smallest to largest amount of books.
- 2 In the school polytunnel, 5th class fill four seed trays with compost. The first tray is $\frac{3}{4}$ full, the second is $\frac{7}{8}$ full, the third is $\frac{1}{5}$ full and the fourth is $\frac{11}{12}$ full. Order the trays from least full to most full.
 Order from smallest to largest: $\frac{3}{4}$, $\frac{7}{8}$, $\frac{1}{5}$, $\frac{11}{12}$
- 3 5th class are tracking how full the bird feeder at the classroom window gets each week. In four weeks the feeder fills to $\frac{9}{10}$, $\frac{2}{5}$, $\frac{7}{10}$ and $\frac{1}{8}$ of the way up. Order these fractions from smallest to largest.
- 4 Three pupils in 5th class fill their water bottles before going out to the yard. Oisín fills $\frac{3}{4}$ of his bottle, Aoife fills $\frac{7}{12}$ of hers, and Tadhg fills $\frac{1}{12}$ of his. Order the bottles from smallest amount to largest amount of water.
- 5 Three 5th class teams played in a Cumann na mBunscol blitz at the county grounds. Cara's team won $\frac{9}{10}$ of their matches, Tadhg's team won $\frac{2}{5}$, and Niamh's team won $\frac{7}{10}$. Order the teams' win fractions from smallest to largest.