

Lesson 33 **NUMBER****Comparing fractions**

CURRICULUM ALIGNMENT

NUM.FRC.3a compare and express in equivalent terms; and order fractions.

INTERACTIVES **Pizza Slicer** · display **Fraction Strips** · challenge, display

WHAT THIS LESSON TEACHES

To compare two fractions, look at how much of the whole each one covers. When the parts are the same size, the fraction with more parts covers more.

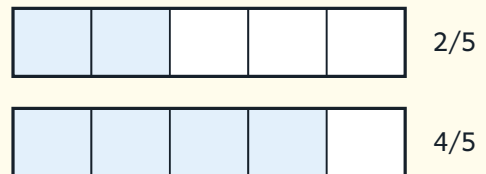
→ Three fifths reaches further than two fifths, so three fifths is more.

→ Three quarters is more than one half; one third is less than one half.

MODEL THIS ON THE BOARD

COMPARING SAME-DENOMINATOR FRACTIONS

- 1 Both strips are divided into 5 equal parts.
- 2 One strip has 2 parts shaded and the other has 4 parts shaded.
- 3 4 is more than 2, so $\frac{4}{5}$ reaches further.



DISCUSSION STARTER

REFLECT When the bottom numbers differ, what helps you decide which fraction is larger?

ANSWER KEY

a) $\frac{3}{4}$ b) $\frac{4}{5}$ c) $\frac{4}{5}$ Q1: Ann's ($\frac{5}{6}$ is more than $\frac{1}{6}$)Q2: Sam's ($\frac{3}{5}$ is more than $\frac{2}{5}$)Q3: the $\frac{1}{2}$ full bottle

Spot: When the top numbers are the same, the smaller bottom number means larger equal parts. $\frac{1}{3}$ is larger than $\frac{1}{4}$ because thirds are bigger pieces than quarters.

EXTENSION SHEET · STRETCH ANSWERS

S1: $\frac{3}{4} > \frac{7}{12}$ S2: $\frac{1}{2} > \frac{2}{5}$ S3: $\frac{3}{4} < \frac{11}{12}$ S4: $\frac{3}{4} < \frac{7}{8}$ S5: $\frac{11}{12} > \frac{1}{10}$