

COMPARING $\frac{2}{3}$ AND $\frac{3}{4}$ USING FOOD SLICES

- Find the common denominator 12 for the thirds and quarters.
- Rename $\frac{2}{3}$ by multiplying top and bottom by 4 to make $\frac{8}{12}$.
- Rename $\frac{3}{4}$ by multiplying top and bottom by 3 to make $\frac{9}{12}$.
- Compare the new fractions: $\frac{8}{12}$ is less than $\frac{9}{12}$, so $\frac{2}{3}$ is less than $\frac{3}{4}$.

WARM-UP

Shade the fraction strips to compare the food portions.

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- Shade $\frac{1}{3}$ and $\frac{1}{4}$ on the strips then rename to twelfths
- Shade $\frac{5}{6}$ and $\frac{7}{9}$ on the strips then rename to a common denominator
- Shade $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{2}{3}$ on the strips then order them by length

PRACTICE

- At the bakery, one pie is sliced into fifths and another into sevenths. Which slice is bigger: $\frac{3}{5}$ or $\frac{4}{7}$ of the pie?
- In the shop, a cake is cut into fifths or eighths. Is $\frac{4}{5}$ bigger or smaller than $\frac{5}{8}$ of the cake?
- Shopping for fruit, compare three fifths of a basket to five ninths of a basket. Which is more: $\frac{3}{5}$ or $\frac{5}{9}$?
- At the market, order these fruit portions from smallest to largest: $\frac{9}{10}$, $\frac{4}{5}$ and $\frac{7}{8}$ of the box.
- Compare the shopping bags: order $\frac{7}{8}$, $\frac{3}{4}$ and $\frac{5}{6}$ of the groceries from smallest to largest.

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- Fractions with unlike denominators can be compared by renaming them to a common denominator.
- When the denominators are different, the fraction with the bigger numerator is bigger.
- To compare $\frac{2}{3}$ and $\frac{3}{5}$, it helps to rename them with the same denominator.
- You can order $\frac{3}{5}$, $\frac{5}{8}$ and $\frac{7}{12}$ just by looking at the numerators.