

ORDERING THE CAKE SLICES

- The set is $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{5}{8}$. A shared bottom number is 8.
- Rewrite $\frac{1}{4}$ as $\frac{2}{8}$ (multiply top and bottom by 2).
- Rewrite $\frac{1}{2}$ as $\frac{4}{8}$ (multiply top and bottom by 4).
- $\frac{3}{8}$ stays $\frac{3}{8}$ and $\frac{5}{8}$ stays $\frac{5}{8}$.
- Order the tops 2, 3, 4, 5 to get $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$.

WARM-UP

Shade each fraction on its own strip, then put the four in order.

$\frac{1}{8}$, order: ____

$\frac{1}{4}$, order: ____

$\frac{3}{8}$, order: ____

$\frac{7}{8}$, order: ____

- Shade $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{7}{8}$, one on each strip.
- Number the strips 1 (smallest) to 4 (biggest) in the order boxes.
- Write the four fractions in order, smallest first.

PRACTICE

- Three bags of flour on the shop shelf are $\frac{1}{5}$, $\frac{2}{7}$ and $\frac{4}{5}$ full. Line them up from the least full to the most full.
- Four pizza trays left at the deli hold $\frac{1}{5}$, $\frac{3}{10}$, $\frac{4}{5}$ and $\frac{9}{10}$ of a pizza. Put the trays in order from smallest amount to largest.
- Three jars of jam on sale are $\frac{2}{5}$, $\frac{1}{2}$ and $\frac{3}{5}$ full. Arrange them from the least jam left to the most.
- A shopper picks four cheese wedges that are $\frac{2}{5}$, $\frac{1}{2}$, $\frac{3}{5}$ and $\frac{7}{10}$ of a block. Order the wedges from smallest to largest.

? ALWAYS, SOMETIMES, NEVER

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

- Fractions rewritten over the same bottom number can be ordered by comparing their top numbers.
- In a set of fractions, the one with the largest bottom number is the smallest.
- $\frac{1}{2}$ is larger than $\frac{1}{3}$ when both are rewritten over sixths.
- A set of fractions is already in size order if the bottom numbers rise from small to large.