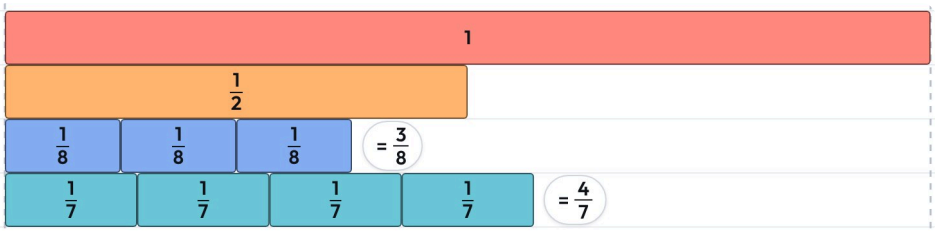
Name _____ Date _____

Close to a Half, Close to One

Example



Half of 8 parts is 4 parts, so $\frac{3}{8}$ is **less than a half**.

Half of 7 parts is 3 and a half parts, so $\frac{4}{7}$ is **more than a half**.

So $\frac{3}{8} < \frac{4}{7}$.

1 ON YOUR OWN Is the fraction less than $\frac{1}{2}$, equal to $\frac{1}{2}$ or greater than $\frac{1}{2}$? Tick.

	$\frac{3}{7}$	$\frac{5}{8}$	$\frac{6}{12}$	$\frac{2}{5}$	$\frac{7}{12}$	$\frac{4}{9}$	$\frac{5}{10}$	$\frac{6}{11}$
less than $\frac{1}{2}$	☐	☐	☐	☐	☐	☐	☐	☐
equal to $\frac{1}{2}$	☐	☐	☐	☐	☐	☐	☐	☐
greater than $\frac{1}{2}$	☐	☐	☐	☐	☐	☐	☐	☐

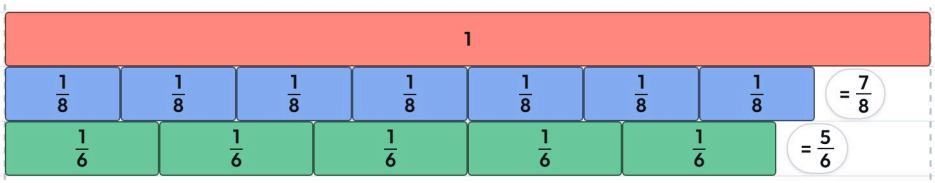
2 IN PAIRS Compare by comparing each fraction with $\frac{1}{2}$. Write < or >.

$\frac{3}{8} \bigcirc \frac{4}{7}$ $\frac{5}{9} \bigcirc \frac{2}{5}$ $\frac{6}{10} \bigcirc \frac{3}{7}$ $\frac{1}{3} \bigcirc \frac{5}{8}$

How did you decide for the first pair?

Names (pair) _____ Date _____

Example



Both $\frac{7}{8}$ and $\frac{5}{6}$ are **one part** short of the whole: $\frac{1}{8}$ and $\frac{1}{6}$.

An eighth is smaller than a sixth, so $\frac{7}{8}$ is less short: $\frac{7}{8} > \frac{5}{6}$.

3 ON YOUR OWN How much is each fraction short of 1? Write it, then compare.

$\frac{4}{5} \bigcirc \frac{6}{7}$ short by $\frac{\square}{\square}$ and $\frac{\square}{\square}$

$\frac{9}{10} \bigcirc \frac{11}{12}$ short by $\frac{\square}{\square}$ and $\frac{\square}{\square}$

$\frac{2}{3} \bigcirc \frac{3}{4}$ short by $\frac{\square}{\square}$ and $\frac{\square}{\square}$

$\frac{5}{6} \bigcirc \frac{9}{10}$ short by $\frac{\square}{\square}$ and $\frac{\square}{\square}$

Remember

Four ways to compare: **1.** same denominator, **2.** same numerator, **3.** compare with $\frac{1}{2}$, **4.** how much is short of 1. You don't always need a common denominator.

4 IN PAIRS Compare and write the number of the way you used in the box.

$\frac{3}{10} \bigcirc \frac{3}{8}$ $\square$

$\frac{5}{12} \bigcirc \frac{7}{12}$ $\square$

$\frac{4}{9} \bigcirc \frac{3}{5}$ $\square$

$\frac{8}{9} \bigcirc \frac{6}{7}$ $\square$

$\frac{2}{7} \bigcirc \frac{4}{6}$ $\square$

$\frac{7}{11} \bigcirc \frac{7}{9}$ $\square$

★ ON YOUR OWN **Exit card.** Compare $\frac{5}{11}$ and $\frac{7}{12}$ without calculating. Explain.

_____

Names (pair) _____ Date _____

5 IN PAIRS **Game: Who has more?** Cut out the cards and shuffle them. Each player turns over one card. The player with the greater fraction takes both cards, but only if they explain which way they used to compare. If you disagree, check in the app. The player with more cards at the end wins.

✂ Cut out the cards along the dashed lines.

$\frac{3}{8}$	$\frac{4}{7}$	$\frac{5}{6}$	$\frac{7}{8}$
$\frac{2}{5}$	$\frac{3}{4}$	$\frac{5}{12}$	$\frac{9}{10}$
$\frac{1}{3}$	$\frac{6}{11}$	$\frac{2}{3}$	$\frac{4}{9}$
$\frac{11}{12}$	$\frac{3}{10}$	$\frac{5}{8}$	$\frac{1}{2}$

The Fraction Tiles app · otooly.com/fraction-tiles

Lay out the whole and both fractions below it. Turn on the row sum to see how long each row is.