Comparing Fraction Amounts

NAME:

Math PATHWAYS & PITFALLS

Purpose

To use benchmarks and equal fractions to compare fraction amounts

Math Words

benchmarks	numbers like 0, $\frac{1}{4}$, $\frac{1}{2}$, and 1 are benchmarks.
is less than	The symbol < points to the smaller number. You read 4 < 5 as 4 is less than 5.
is greater than	Read 5 > 4 as 5 is greater than 4.
common denominator	$\frac{6}{12}$ and $\frac{1}{12}$ have 12 as a common denominator.

Starter Problem

Compare the fractions. Think about their meaning.

Write < or > in the blank.

$$\frac{4}{5} \square \frac{7}{10}$$

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Student Thinking

Keisha

OK

i put both fractions on the number line. Four fifths is closer to 1 than seven tenths is. So, four fifths is greate . i checked by multiplying both terms of four fifths by 2 to make tenths. Then they are easy to compare.

$\frac{4}{5} \times \frac{2}{2} = \frac{8}{10}$ so $\frac{4}{5} > \frac{7}{10}$

Robert

Pitfall

This is easy. 4 is less than 7 and 5 is less than 10. So, four fifths is less than seven tenths.

$$\frac{4}{5} < \frac{7}{10}$$

Things to Remember

* .....

.....

* .....

.....

STOP

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NAME:

Our Turn

Write > or < to show which fraction is greater. use equivalent fractions or benchmarks to decide.

1. $\frac{1}{8} \square \frac{1}{10}$

2. $\frac{3}{4} \square \frac{7}{8}$

3. $\frac{7}{12} \square \frac{9}{10}$

NAME:

My Turn

Write > or < to show which fraction is greater. use equivalent fractions or benchmarks to decide.

1. $\frac{1}{4}$ ☐ $\frac{1}{3}$

2. $\frac{5}{6}$ ☐ $\frac{2}{3}$

3. $\frac{7}{10}$ ☐ $\frac{5}{12}$

Comparing Fraction Amounts

NAME:

Multiple Choice Mini Lesson

Fill in the circle next to the answer you choose.

1. Which fraction is greater than $\frac{3}{5}$?

○ $\frac{3}{6}$ ○ $\frac{7}{20}$ ○ $\frac{7}{10}$ ○ $\frac{2}{5}$

2. Which fraction is less than $\frac{1}{4}$?

○ $\frac{50}{100}$ ○ $\frac{3}{24}$ ○ $\frac{5}{6}$ ○ $\frac{3}{8}$

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○ $\frac{50}{100}$ ○ $\frac{3}{24}$ ○ $\frac{5}{6}$ ○ $\frac{3}{8}$

NAME:

Writing Task Mini Lesson

explain how you know that it is correct to write $\frac{5}{6} > \frac{2}{3}$. You may draw a picture on the back to help you explain.

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