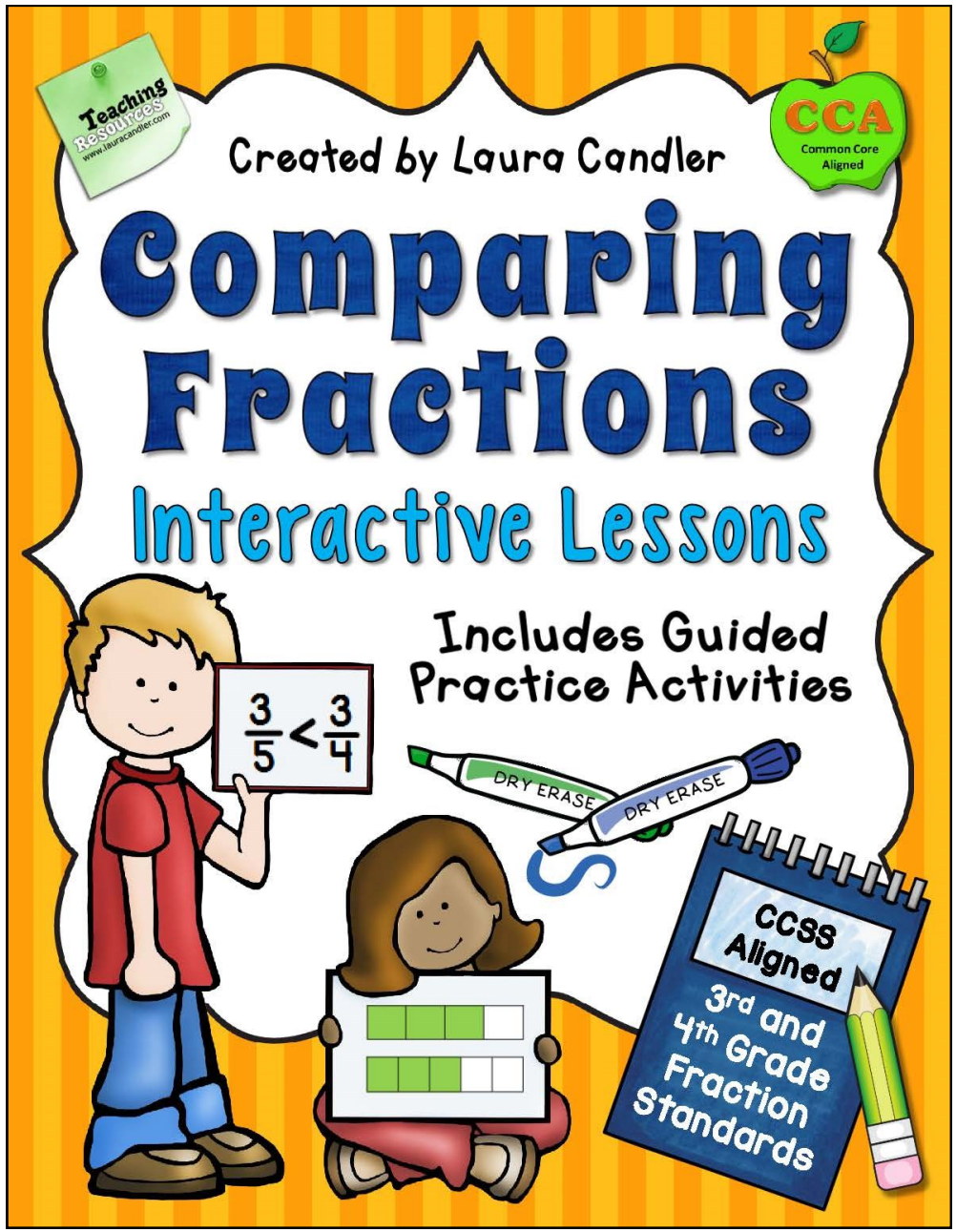
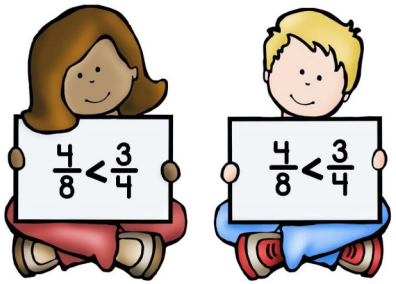
Comparing Fractions – Interactive Lessons

A sampling of selected pages and activities



Comparing Fractions
Interactive Lessons
by Laura Candler



Aligned with 3rd and 4th Grade CCSS

Excellent Review for 5th Grade, too!

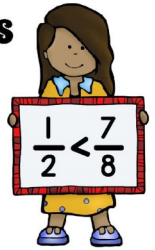
Predict and Compare

Think about the two fractions below.
Which fraction do you think is larger?
Compare them using <, >, or =.

Compare and discuss your answer with a partner. Then flip the cards over and compare the fraction bars on the backs to see if you were correct. Repeat the activity with two more fraction cards.

ractions to Benchmarks

actions to the benchmark
1/2, and 1. Use logical
o decide which is larger.



and 5/8. Think: I know that 1/4 is less
nd 5/8 is more than half, so 5/8 is greater.

and 2/6. Think: I know that 9/10 is almost
nd 2/6 is less than half. So 9/10 is greater.

Which fraction is larger?
your thinking to a partner.

2. 7/8 2/4

3. 5/8 1/9

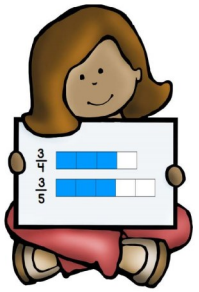
4. 4/12 7/10

Strategies for Comparing Fractions

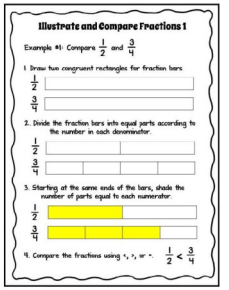
Strategy #1 – Illustrate and Compare

is extremely important for
it should be the first
n't able to create accurate
will not be able use logical

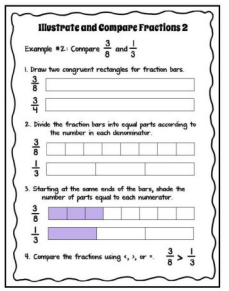
al dry erase boards and
o use sheets of laminated
in paper. However, if you
not a cooperative
n this strategy!



Comparisons
ided drawing activities to
n comparisons. To start
uided drawing directions,
ge 23). Explain that when
em, you must make sure
ent, and that you divide
draw rectangles because
ts.



of drawing 1/2 and 3/4,
ongruent fraction bars as
not necessary to use a ruler
hey draw one rectangle
npt to make them equal in
ating for students; dividing
to their denominators can
even denominator, the
in half and then divide each
king, walk around to

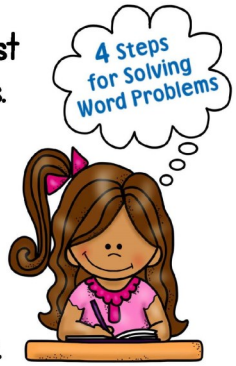


strate and Compare
trickier because they are
udents may get frustrated
derstand why "Illustrate and
gy. When the fractions are
dd numbers, it can be
n. If 3/8 and 1/3 are not
hat 1/3 is larger.

Over 60 pages of lessons and guided practice!

Fraction Comparison Word Problems

1. Read the problem carefully and list the important numbers and facts.
2. Underline the question. Decide if the answer will be determined by the smallest fraction, the largest, or something else.
3. Compare the fractions, solve the problem, and record your answer.
4. Reread the problem and ask yourself if your answer is reasonable. Check the answer by using a different method to compare the fractions.



Fraction Word Problems

Read each problem and try to solve it on your own. Then compare and discuss your answer with a partner before solving the next one.

Problem #1

Sarah walked her dog for $\frac{3}{4}$ of an hour, did her homework for $\frac{2}{3}$ of an hour and played video games for half an hour. On which activity did Sarah spend the least amount of time?

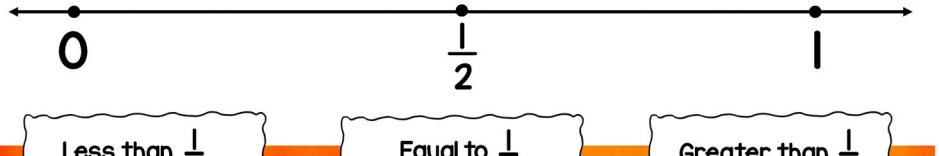
Nathan and Owen went to
dozen balloons when they
darts at the balloons. Nat
them. Who popped more b

ed two
frosting,
Which col

ed to se
bline reac
rance in
s. Who w

Comparing Fractions to Benchmarks

Place Fraction Cards Here



Less than $\frac{1}{2}$	Equal to $\frac{1}{2}$	Greater than $\frac{1}{2}$

Illustrate and Compare Fractions 1

Example #1: Compare $\frac{1}{2}$ and $\frac{3}{4}$

1. Draw two congruent rectangles for fraction bars.

$\frac{1}{2}$

$\frac{3}{4}$

2. Divide the fraction bars into equal parts according to the number in each denominator.

$\frac{1}{2}$

$\frac{3}{4}$

3. Starting at the same ends of the bars, shade the number of parts equal to each numerator.

$\frac{1}{2}$

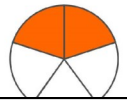
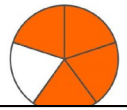
$\frac{3}{4}$

4. Compare the fractions using <, >, or =. $\frac{1}{2} < \frac{3}{4}$

All Pages Provided in Color and B&W

Compare Denominators and Numerators

Compare denominators.
If the fractions have the same denominator, the one with the larger numerator is the greater fraction. Can you explain why?

$\frac{2}{5}$  $\frac{4}{5}$ 

$\frac{1}{4}$

$\frac{3}{4}$

Compare

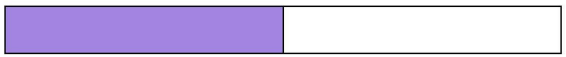
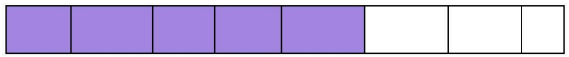
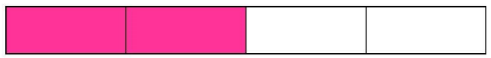
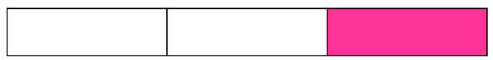
If the fract
smaller den

$\frac{2}{3}$

$\frac{2}{8}$

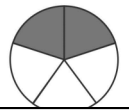
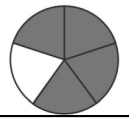
Comparing Fractions Fix-up

Look at the illustrations for each fraction comparison.
Decide what's wrong and draw the bars correctly.

1. $\frac{3}{4}$ 
   $\frac{3}{5}$ 
2. $\frac{1}{2}$ 
   $\frac{5}{8}$ 
3. $\frac{5}{6}$ 
   $\frac{2}{3}$ 
4. $\frac{2}{4}$ 
   $\frac{1}{3}$ 

Compare Denominators and Numerators

Compare denominators.
If the fractions have the same denominator, the one with the larger numerator is the greater fraction. Can you explain why?

$\frac{2}{5}$  $\frac{4}{5}$ 

$\frac{1}{4}$

$\frac{3}{4}$

Compare

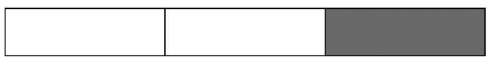
If the fracti
smaller deno

$\frac{2}{3}$

$\frac{2}{8}$

Comparing Fractions Fix-up

Look at the illustrations for each fraction comparison.
Decide what's wrong and draw the bars correctly.

1. $\frac{3}{4}$ 
   $\frac{3}{5}$ 
2. $\frac{1}{2}$ 
   $\frac{5}{8}$ 
3. $\frac{5}{6}$ 
   $\frac{2}{3}$ 
4. $\frac{2}{4}$ 
   $\frac{1}{3}$ 

24 Fraction Activity Cards (Color and B&W)

Print Fractions on Front and Bars on Back