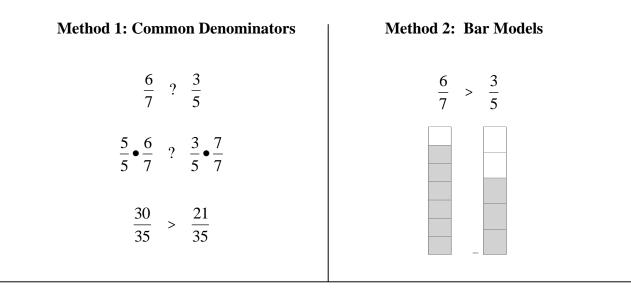
Comparing and Ordering Fractions Activities

Supplies:Class set of Page 6 sorting boards for students to use in pairsClass set of Page 5 fractions for students to use in pairs (Give each pair one column
strip to cut apart and sort.)Index cards, one per pairObjective:Students will use benchmark fractions to compare positive fractions.Standards:Grade 6 NS 1.0 Students compare and order positive and negative fractions,
decimals and mixed numbers.
6.NS.7.b Write, interpret, and explain statements of order for rational numbers in
real-world contexts.

Introduction Activity

I Do (Note-taking): Three methods for comparing fractions:



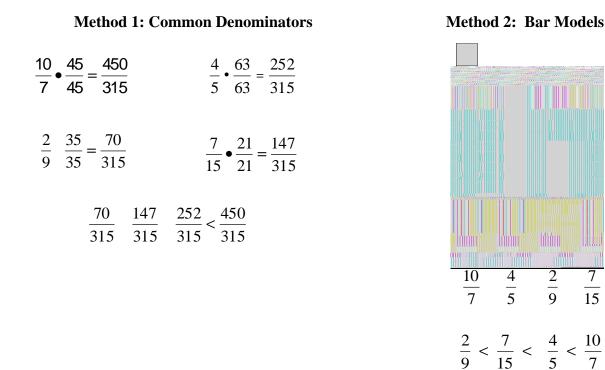
Method 3: Benchmark Fractions
$$\frac{6}{7}$$
 ? $\frac{3}{5}$

Close to 0
Close to
$$\frac{1}{2}$$

Close to 1
 $\frac{3}{5}$
 $\frac{6}{7}$

$$\frac{3}{5}$$
 is a little more than one half and $\frac{6}{7}$ is almost one, $\cdot \cdot \cdot \frac{6}{7} > \frac{3}{5}$

We Do (Note-taking): Order from least to greatest: $\frac{10}{7}, \frac{4}{5}, \frac{2}{9}, \frac{7}{15}$



Method 3: Benchmark Fractions

"The first fraction, $\frac{10}{7}$, is bigger than one, so we can put it to the right of the Close to 1 section." " $\frac{4}{5}$ is only $\frac{1}{5}$ away from 1, so which category should we use?" [Close to 1] "Where should we put $\frac{2}{9}$?" [Close to 0] "Why?" [It's only 2 out of 9 parts, or other responses] "Where should we put $\frac{7}{15}$?" [Close to $\frac{1}{2}$] "Why?" [$\frac{7}{15}$ is close to $\frac{7}{14}$, which is $\frac{1}{2}$]

Close to 0

$$\frac{2}{9}$$
Close to $\frac{1}{2}$
Close to 1
 $\frac{4}{5}$
 $\frac{10}{7}$

 $\frac{2}{9} < \frac{7}{15} < \frac{4}{5} < \frac{10}{7}$

You Do (Partner Activity): You and your partner will now use a sorting board to categorize your fraction cards by benchmarks, Close to 0, Close to -