

Ordering Fractions (5-5)

least common denominator	Decode LCD
Definition the LCM of two or more denominators	Example $\frac{2 \cdot 4}{3 \cdot 4} \quad \frac{3 \cdot 3}{4 \cdot 3}$ $\frac{8}{12} < \frac{9}{12}$

Example 1: Compare the two fractions with $<$, $>$, $=$.

I Do	You Do
$\frac{6 \cdot 6}{7 \cdot 6}$ and $\frac{5 \cdot 7}{6 \cdot 7}$ $\frac{36}{42} > \frac{35}{42}$ $\frac{6}{7} > \frac{5}{6}$	$\frac{3 \cdot 3}{9 \cdot 8}$ and $\frac{4 \cdot 8}{9 \cdot 8}$ $\frac{27}{72} < \frac{32}{72}$ $\frac{3}{8} < \frac{4}{9}$

Example 2: Order the fractions from least to greatest. $\frac{5}{6}, \frac{7}{8}, \frac{11}{12}$

We Do

$$\frac{4 \cdot 5}{4 \cdot 6}, \frac{7 \cdot 3}{8 \cdot 3} \text{ and } \frac{11 \cdot 2}{12 \cdot 2}$$

$$\frac{20}{24}, \frac{21}{24}, \frac{22}{24}$$

$$\frac{5}{6}, \frac{7}{8}, \frac{11}{12}$$

Example 3: Apply your knowledge of fractions.

I Do

You spend $\frac{3}{5}$ of your time working on math homework, $\frac{5}{6}$ of your time working on English homework, and $\frac{11}{15}$ of your time working on history homework. Which class did you spend the most time on?

Math	English	History
$\frac{3 \cdot 6}{5 \cdot 6}$	$\frac{5 \cdot 5}{6 \cdot 5}$	$\frac{11 \cdot 2}{15 \cdot 2}$
$\frac{18}{30}$	$\frac{25}{30}$	$\frac{22}{30}$
English		