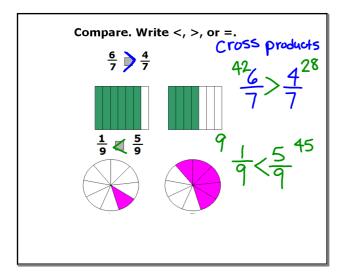
# 4.7 Comparing and Ordering Fractions

p. 198 1-9-18

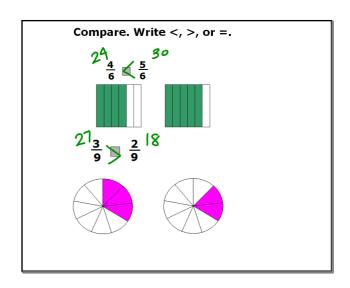
Nov 10-8:50 AM

When you are comparing fractions, first check their denominators. When fractions have the same denominator, they are called **like fractions**. For example,  $\frac{6}{7}$  and  $\frac{4}{7}$  are like fractions. When two fractions have different denominators, they are called **unlike fractions**. For example,  $\frac{7}{10}$  and  $\frac{1}{2}$  are unlike fractions.

Nov 10-8:53 AM



Nov 10-8:53 AM



Nov 10-8:54 AM

Ray has  $\frac{5}{3}$  oup of nuts. He need  $\frac{3}{4}$  cup to

make cookies. Does he have enough nuts

for the recipe?

To compare unlike fractions, first rename the fractions so they have the same denominator. This is called finding a **common denominator**.

Find equivalent fractions with 12 as the denominator.  $\frac{2}{3} \cdot \frac{4}{3} = \frac{8}{12} \times \frac{9}{12}$   $\frac{8}{12} \cdot \frac{9}{12}$   $\frac{8}{12} \cdot \frac{9}{12}$   $\frac{8}{2} \cdot \frac{3}{4} \cdot \frac{3}{3} = \frac{9}{12} \cdot \frac{9}{12}$ 

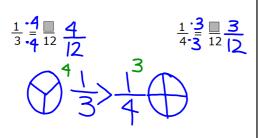
Nov 10-8:54 AM

#### 4.7 Comparing Ordering Fractions.notebook

January 09, 2018

Trevor has  $\frac{1}{3}$  cup of soil. He needs  $\frac{1}{4}$  cup to fill a small planter. Does he have enough soil

Find equivalent fractions with 12 as the denominator.



Nov 10-8:55 AM

Order  $\frac{4}{5}$ ,  $\frac{2}{3}$ , and  $\frac{1}{3}$  from least to greatest. 2. Change each fraction to an equivalent with the common denominator.

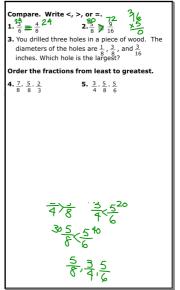
3. Compare the numerators.

Dec 2-8:40 AM

# Order $\frac{4}{7}$ , $\frac{3}{4}$ , and $\frac{1}{4}$ from least to greatest.

- 1. Find a common denominator.
- 2. Change each fraction to an equivalent with the common denominator

Dec 2-8:40 AM



Dec 2-8:46 AM

## Cross products

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



$$\frac{4}{6} \square \frac{5}{6}$$

## Cross products

Order the fractions from least to greatest,

$$\frac{3}{4}, \frac{5}{8}, \frac{5}{6} \qquad \frac{7}{8}, \frac{5}{8}, \frac{2}{3}$$

$$\frac{18}{24}, \frac{15}{24}, \frac{20}{24} \qquad \frac{5}{8}, \frac{2}{3}, \frac{5}{8}, \frac{2}{3}$$

$$\frac{5}{8}, \frac{3}{4}, \frac{5}{6} \qquad \frac{5}{8}, \frac{2}{3}, \frac{2}{8}, \frac{2}{3}$$

Jan 17-9:35 AM

Jan 17-9:31 AM

Cross products

$$\frac{3}{6} \square \frac{4}{8}$$

$$\frac{5}{8} \square \frac{9}{16}$$

Jan 17-9:35 AM

Order the fractions from least to greatest.

$$\frac{7}{8}$$
,  $\frac{5}{8}$ ,  $\frac{2}{3}$ 

Jan 17-9:35 AM