4.7 Comparing and Ordering Fractions

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Nov 10-8:50 AM

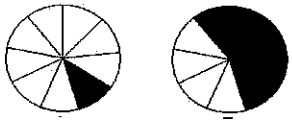
When you are comparing fractions, first check their denominators. When fractions have the same denominator, they are called **<u>like fractions</u>**. For example, $\frac{6}{7}$ and $\frac{4}{7}$ are like fractions. When two fractions have different denominators, they are called **<u>unlike fractions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

Nov 10-8:53 AM

Compare. Write <, >, or =.

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

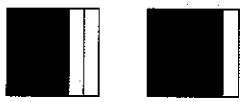
$\frac{1}{9} \square \frac{5}{9}$



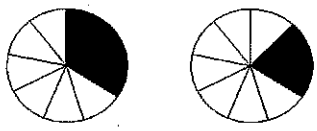
Nov 10-8:53 AM

Compare. Write <, >, or =.

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



$\frac{3}{9} \square \frac{2}{9}$



Nov 10-8:54 AM

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

Nov 10-8:54 AM

Ray has $\frac{2}{3}$ cup of nuts. He needs $\frac{3}{4}$ cup to make cookies. Does he have enough nuts for the recipe?

Find equivalent fractions with 12 as the denominator.

$\frac{2}{3} = \frac{\square}{12}$ $\frac{3}{4} = \frac{\square}{12}$

Nov 10-8:54 AM

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

Find equivalent fractions with 12 as the denominator.

$\frac{1}{3} = \frac{\square}{12}$ $\frac{1}{4} = \frac{\square}{12}$

Nov 10-8:55 AM

Order $\frac{4}{5}$, $\frac{2}{3}$, and $\frac{1}{3}$ from least to greatest.

1. Find a common denominator.

2. Change each fraction to an equivalent with the common denominator.

$\frac{4}{5}$ $\frac{2}{3}$ $\frac{1}{3}$

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.

$\frac{4}{7}$ $\frac{3}{4}$ $\frac{1}{4}$

3. Compare the numerators.

Dec 2-8:40 AM

Compare. Write <, >, or =.

1. $\frac{3}{6} \square \frac{4}{8}$ **2.** $\frac{5}{8} \square \frac{9}{16}$

3. You drilled three holes in a piece of wood. The diameters of the holes are $\frac{1}{8}$, $\frac{3}{8}$, and $\frac{3}{16}$ inches. Which hole is the largest?

Order the fractions from least to greatest.

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

Dec 2-8:46 AM

Cross products

$\frac{6}{7} \square \frac{4}{7}$ $\frac{3}{9} \square \frac{2}{9}$

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

Jan 17-9:31 AM

Cross products

Order the fractions from least to greatest.

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

Jan 17-9:35 AM