

## Comparing 'Like' Fractions

CF 1

**Instructions:** Compare these 'like' fractions. Write the greater than (>), less than (<) or equal to (=) sign in the circle provided.

1  $\frac{5}{6} > \frac{3}{6}$

2  $\frac{9}{10} = \frac{9}{10}$

3  $\frac{4}{15} < \frac{5}{15}$

4  $\frac{7}{9} < \frac{8}{9}$

5  $\frac{14}{135} < \frac{60}{135}$

6  $\frac{71}{25} > \frac{17}{25}$

7  $\frac{55}{100} > \frac{35}{100}$

8  $\frac{16}{30} > \frac{8}{30}$

9  $\frac{30}{72} = \frac{30}{72}$

10  $\frac{10}{8} > \frac{8}{8}$

11  $\frac{6}{11} < \frac{12}{11}$

12  $\frac{5}{280} > \frac{2}{280}$

13  $\frac{1}{16} < \frac{2}{16}$

14  $\frac{72}{365} = \frac{72}{365}$

15  $\frac{70}{495} < \frac{75}{495}$

16  $\frac{4}{500} < \frac{44}{500}$

17  $\frac{98}{750} < \frac{99}{750}$

18  $\frac{80}{99} > \frac{64}{99}$

## Comparing Fractions by Cross Multiplying

CF 2

**Instructions:** Compare these fractions using the cross multiplying procedure you learned in the video. Write the greater than (>), less than (<) or equal to (=) sign in the circle provided.

1  $\frac{15}{3} > \frac{8}{5}$

2  $\frac{24}{12} = \frac{24}{8}$

3  $\frac{4}{2} > \frac{3}{2}$

4  $\frac{50}{30} < \frac{60}{10}$

5  $\frac{35}{6} < \frac{36}{7}$

6  $\frac{80}{10} > \frac{70}{20}$

7  $\frac{45}{8} < \frac{48}{9}$

8  $\frac{72}{5} > \frac{55}{6}$

9  $\frac{100}{11} > \frac{99}{10}$

10  $\frac{144}{15} < \frac{150}{12}$

11  $\frac{24}{8} > \frac{20}{3}$

12  $\frac{500}{6} > \frac{80}{100}$

13  $\frac{30}{12} > \frac{24}{10}$

14  $\frac{100}{10} < \frac{110}{4}$

## Comparing Decimal Numbers

CF 3

**Review:** To compare two decimal numbers, first line up the decimal points. Start by comparing the digits in the biggest number place that is not just zeros. If the digits are the same, move to the next biggest number place (to the right) and compare those digits. Keep doing this until you find that one number has a digit that is greater than the other in the *same number place*. The number with the greatest digit is the greatest (or largest) of the two numbers.

$\begin{array}{r} 0.1253 \\ 0.1271 \end{array}$ <p>line up decimal points</p>	$\begin{array}{r} 0.1253 \\ 0.1271 \end{array}$ <p>biggest digits are the same</p>	$\begin{array}{r} 0.1253 \\ 0.1271 \end{array}$ <p>next digits are the same also</p>	$\begin{array}{r} 0.1253 \\ 0.1271 \end{array}$ <p>here, the bottom digit has the greatest value</p>
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**Instructions:** Compare each pair of decimal numbers and circle the one that is greatest.

1  $\begin{array}{r} 0.17 \\ 0.15 \end{array}$

2  $\begin{array}{r} 10.9 \\ 10.1 \end{array}$

3  $\begin{array}{r} 0.05 \\ 0.001 \end{array}$

4  $\begin{array}{r} 1.025 \\ 0.925 \end{array}$

5  $\begin{array}{r} 0.4848 \\ 0.4849 \end{array}$

6  $\begin{array}{r} 10.075 \\ 10.070 \end{array}$

7  $\begin{array}{r} 0.6475 \\ 0.5677 \end{array}$

8  $\begin{array}{r} 0.909 \\ 0.999 \end{array}$

9  $\begin{array}{r} 1.250 \\ 1.255 \end{array}$

10  $\begin{array}{r} 1.08 \\ 0.99 \end{array}$

11  $\begin{array}{r} 0.750 \\ 0.850 \end{array}$

12  $\begin{array}{r} 0.5871 \\ 0.6879 \end{array}$

13  $\begin{array}{r} 0.125 \\ 0.250 \end{array}$

14  $\begin{array}{r} 0.11111 \\ 0.11121 \end{array}$

15  $\begin{array}{r} 2.6501 \\ 2.6510 \end{array}$

## Comparing Fractions by Their Decimal Values

CF 4

**Instructions:** Use a calculator to convert these fractions to decimals. (Round off to 3 decimal places.) Then compare the decimals to see which fraction has the greatest value and circle that fraction.

1  $\frac{12}{15} = \underline{0.8}$   
 $\frac{7}{8} = \underline{0.875}$

2  $\frac{3}{16} = \underline{0.188}$   
 $\frac{5}{32} = \underline{0.156}$

3  $\frac{11}{13} = \underline{0.846}$   
 $\frac{14}{17} = \underline{0.824}$

4  $\frac{9}{20} = \underline{0.45}$   
 $\frac{10}{22} = \underline{0.455}$

5  $\frac{11}{25} = \underline{0.44}$   
 $\frac{7}{15} = \underline{0.467}$

6  $\frac{33}{9} = \underline{3.667}$   
 $\frac{22}{7} = \underline{3.143}$

7  $\frac{12}{5} = \underline{2.4}$   
 $\frac{15}{7} = \underline{2.143}$

8  $\frac{18}{55} = \underline{0.327}$   
 $\frac{40}{112} = \underline{0.357}$

9  $\frac{2}{77} = \underline{0.026}$   
 $\frac{1}{35} = \underline{0.029}$

10  $\frac{6}{125} = \underline{0.048}$   
 $\frac{3}{65} = \underline{0.046}$

11  $\frac{5}{39} = \underline{0.128}$   
 $\frac{20}{151} = \underline{0.132}$

12  $\frac{42}{45} = \underline{0.933}$   
 $\frac{85}{91} = \underline{0.934}$