math Antics Worksheets

Name: _____

Date: _____

Comparing 'Like' Fractions

F-COM 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. $\frac{80}{99} > \frac{64}{99}$

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Comparing Fractions by Cross Multiplying

F-COM 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 15 — $\frac{3}{4} > \frac{2}{5}$ — 8

2 24 — $\frac{3}{12} = \frac{2}{8}$ — 24

3 4 — $\frac{2}{3} > \frac{1}{2}$ — 3

4 50 — $\frac{5}{30} < \frac{2}{10}$ — 60

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

6 80 — $\frac{4}{10} > \frac{7}{20}$ — 70

7 45 — $\frac{5}{8} < \frac{6}{9}$ — 48

8 72 — $\frac{12}{5} > \frac{11}{6}$ — 55

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

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

11 24 — $\frac{8}{5} > \frac{4}{3}$ — 20

12 500 — $\frac{5}{6} > \frac{80}{100}$ — 480

13 30 — $\frac{3}{12} > \frac{2}{10}$ — 24

14 100 — $\frac{25}{10} < \frac{11}{4}$ — 110

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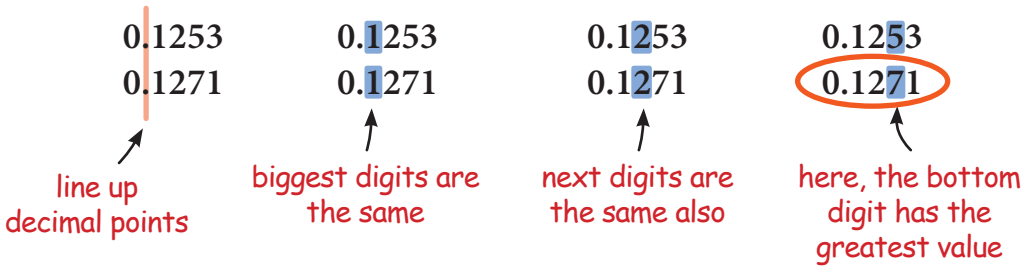
Comparing Decimal Numbers

F-COM 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.



Instructions: Compare each pair of decimal numbers and circle the one that is greatest.

1. 0.17, 0.15
2. 10.9, 10.1
3. 0.05, 0.001
4. 1.025, 0.925
5. 0.4848, 0.4849
6. 10.075, 10.070
7. 0.6475, 0.5677
8. 0.909, 0.999
9. 1.250, 1.255
10. 1.08, 0.99
11. 0.750, 0.850
12. 0.5871, 0.6879
13. 0.125, 0.250
14. 0.11111, 0.11121
15. 2.6501, 2.6510

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Comparing Fractions by Their Decimal Values

F-COM 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. $\frac{12}{15}$ = 0.8
   $\frac{7}{8}$ = 0.875

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

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

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

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

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

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

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

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

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

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

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