Comparing fractions

Same Denominator (Fraction with big numerator is bigger) 😋

1. $\frac{2}{5} < \frac{3}{5}$
2. $\frac{4}{9} > \frac{1}{9}$

Same Numerator (Fraction with small denominator is bigger) 😋

3. $\frac{3}{4} > \frac{3}{5}$
4. $\frac{1}{7} < \frac{1}{6}$

Combination (Fraction with big numerator and small numerator is bigger) 😋

5. $\frac{7}{5} > \frac{6}{8}$
6. $\frac{16}{10} > \frac{11}{12}$

Mixed Numbers (Fraction with bigger whole number is bigger) 😋

7. $5\frac{6}{7} < 9\frac{1}{8}$
8. $3\frac{1}{2} > 2\frac{6}{7}$

Mixed Numbers with fractions 😋

9. $1\frac{1}{2} > \frac{14}{15}$
10. $\frac{8}{9} < 2\frac{5}{6}$

Improper vs Proper (Improper Fraction and/or Mixed number is always bigger than proper fraction) 😋

11. $\frac{8}{9} < \frac{5}{4}$
12. $\frac{7}{8} < \frac{16}{15}$
13. $2\frac{5}{6} > \frac{8}{9}$

Improper vs Mixed (First covert Improper to mixed fraction and simplify if needed) 😋

14. $\frac{15}{9} < 2\frac{4}{5}$
15. $\frac{15}{6} = 2\frac{1}{2}$

Whole numbers (simplify) 😊

16. $\frac{1}{1} = \frac{18}{18}$
17. $\frac{24}{4} > \frac{25}{5}$

Use half as a benchmark for comparison 😊

18. $\frac{13}{20} > \frac{3}{8}$
19. $\frac{8}{15} > \frac{6}{13}$

What happens when denominators are different and there is no easy way to see which one is bigger? ☹

- Make denominators the same using equivalent fractions. 😊 😊

20. $\frac{4}{6} > \frac{7}{12}$

$\frac{4\times2}{5\times2} = \frac{8}{12} > \frac{7}{12}$

21. $\frac{4}{7} < \frac{15}{28}$

$\frac{4\times4}{7\times4} = \frac{16}{28} < \frac{18}{28}$

Sometimes the LCD is more difficult to find ☹. Simplify first 😊 😊

22. $\frac{10}{12}$ $\frac{14}{18}$

$\frac{10\div2}{12\div2} = \frac{5}{6}$ and $\frac{14\div2}{18\div2} = \frac{7}{9}$

Find LCD for 6 and 9

M6= 6,12,18,24;30

M9= 9,18,27,36

LCD (6;9) =18