18/1/2021 (Monday)

L.I. Can I compare and order fractions? (more than 1)

Compare $\frac{3}{4}$ & $\frac{2}{3}$

The LCM of 3 and 4 is 12

$\frac{3 \times 3}{4 \times 3} = \frac{9}{12}$ $\frac{2 \times 4}{3 \times 4} = \frac{8}{12}$

$\frac{9}{12} > \frac{8}{12}$

How do I compare fractions?

1. Find a common denominator.
   a) Write a list of multiples for both denominators.
   b) Look through the list and find the smallest multiple both fractions have in common. This is called the lowest common denominator.
2. Find an equivalent fraction for both of your fractions using the lowest common denominator.
3. Compare the fractions.

Write <, > or = to compare the fractions.

a) $\frac{7}{4}$ ◯ $\frac{12}{8}$

b) $\frac{7}{4}$ ◯ $\frac{22}{12}$

c) $\frac{22}{12}$ ◯ $\frac{10}{6}$

d) $\frac{10}{6}$ ◯ $\frac{5}{3}$

e) $\frac{10}{6}$ ◯ $\frac{5}{2}$

f) $\frac{5}{2}$ ◯ $\frac{18}{8}$

g) $\frac{18}{8}$ ◯ $\frac{32}{16}$

h) $\frac{18}{8}$ ◯ $\frac{9}{4}$

i) $\frac{9}{4}$ ◯ $\frac{18}{2}$

Filip has 3 $\frac{3}{16}$ bottles of juice.

Scott has 3 $\frac{1}{4}$ bottles of juice.

Who has more juice?

Alex and Dora each have two identical cakes.

Alex cuts each of her cakes into 6 equal pieces and gives 10 of her friends a piece each.

Alex

Dora cuts each of her cakes into 12 equal pieces and gives 18 of her friends a piece each.

Dora

Who has more cake left?