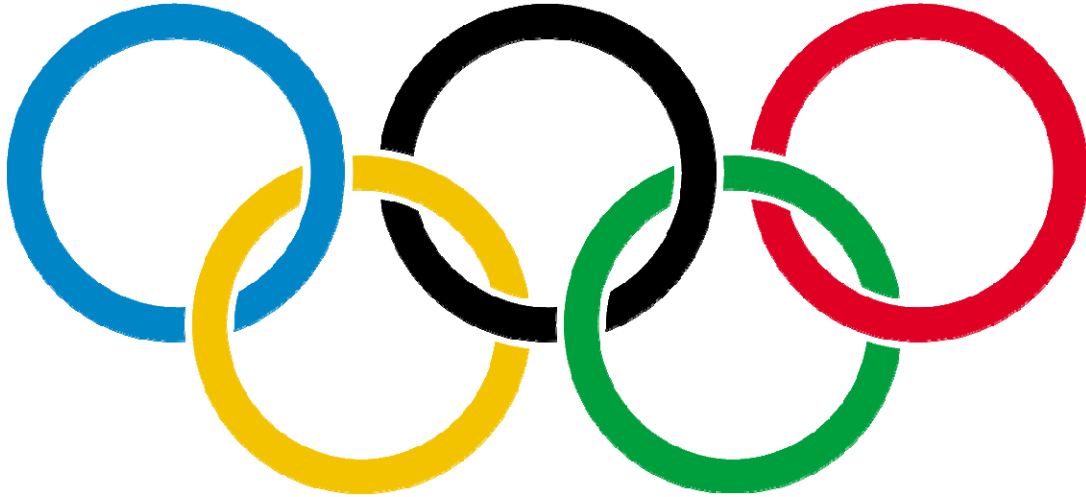


0.3 Adding and Subtracting Unlike Fractions



When they are Unlike Fractions:

Step 1

Look at the denominators:

$\begin{array}{r} \frac{3}{4} \\ - \frac{2}{3} \\ \hline \end{array}$	OR	$\begin{array}{r} \frac{3}{4} \\ + \frac{2}{3} \\ \hline \end{array}$
---	----	---

Step 2

Find the least common denominator (L.C.D.) also known as the least common multiple (L.C.M.).

Multiples of 4: 4, 8, **12**, 16

Multiples of 3: 3, 6, 9, **12**, 15

12 would be your new denominator!

Step 3

Write equivalent fractions with this **NEW** denominator.

The new denominator is **12**.

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

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

Step 4

Add or Subtract the Fractions. (Lesson 0.2)

$$\frac{9}{12} - \frac{8}{12} = \frac{1}{12}$$

$$\frac{9}{12} + \frac{8}{12} = \frac{17}{12} \quad 1\frac{5}{12}$$

Step 5

Simplify if
necessary!

Try these 2 examples in your math notes...

Ex. $\frac{5}{6} + \frac{6}{8}$ $\frac{4}{5} - \frac{2}{3}$