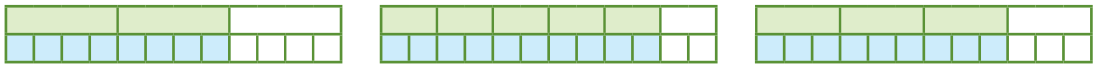
Adding and Subtracting Fractions with Different Denominators

$\frac{2}{3} + \frac{5}{6} + \frac{3}{4} = \frac{27}{12}$

$\frac{2}{3}$ $\xrightarrow{\times 4}$ $\frac{8}{12}$ $\xleftarrow{\times 4}$

$\frac{5}{6}$ $\xrightarrow{\times 2}$ $\frac{10}{12}$ $\xleftarrow{\times 2}$

$\frac{3}{4}$ $\xrightarrow{\times 3}$ $\frac{9}{12}$ $\xleftarrow{\times 3}$



Convert the fractions so that they have the same denominator by finding a common multiple of the denominators. Then, add or subtract the numerators.

1) $\frac{3}{8} + \frac{3}{4} + \frac{4}{6}$

$\frac{3}{8}$ $\xrightarrow{\times \square}$ $\frac{\square}{24}$ $\xleftarrow{\times \square}$ $+$ $\frac{3}{4}$ $\xrightarrow{\times \square}$ $\frac{\square}{24}$ $\xleftarrow{\times \square}$ $+$ $\frac{4}{6}$ $\xrightarrow{\times \square}$ $\frac{\square}{24}$ $\xleftarrow{\times \square}$ $= \frac{\square}{24}$

2) $\frac{1}{3} + \frac{2}{4} + \frac{4}{6}$

$\frac{\square}{12} + \frac{\square}{12} + \frac{\square}{12} = \frac{\square}{12}$

3) $\frac{1}{5} + \frac{3}{4} + \frac{7}{10}$

$\frac{\square}{20} + \frac{\square}{20} + \frac{\square}{20} = \frac{\square}{20}$

4) $\frac{3}{6} - \frac{1}{10}$

$\frac{\square}{30} - \frac{\square}{30} = \frac{\square}{30}$

5) $\frac{4}{5} - \frac{1}{3}$

$\frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$

Can you find a common multiple of 5 and 3 to use as the denominator?