

# Adding and Subtracting Fractions with Different Denominators

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

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)

$$\frac{3}{8} + \frac{3}{4} + \frac{4}{6} = \frac{\boxed{\phantom{000}}}{24}$$

2)

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

$$\frac{\boxed{\phantom{00}}}{12} + \frac{\boxed{\phantom{00}}}{12} + \frac{\boxed{\phantom{00}}}{12} = \frac{\boxed{\phantom{00}}}{12}$$

3)

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

$$\frac{\boxed{\phantom{00}}}{20} + \frac{\boxed{\phantom{00}}}{20} + \frac{\boxed{\phantom{00}}}{20} = \frac{\boxed{\phantom{00}}}{20}$$

4)

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

$$\frac{\boxed{\phantom{00}}}{30} - \frac{\boxed{\phantom{00}}}{30} = \frac{\boxed{\phantom{00}}}{30}$$

5)

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

$$\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

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

