Year 6 Add and subtract fractions

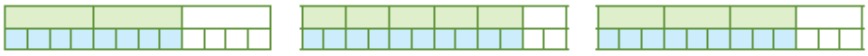
Write these calculations out in your book and answer them using the formal method.

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

$\frac{2}{3}$ ×4 $\frac{8}{12}$ ×4

$\frac{5}{6}$ ×2 $\frac{10}{12}$ ×2

$\frac{3}{4}$ ×3 $\frac{9}{12}$ ×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) $\frac{3}{8} + \frac{3}{4} + \frac{4}{6}$

$\frac{3}{8}$ × $\frac{\square}{24}$ × + $\frac{3}{4}$ × $\frac{\square}{24}$ × + $\frac{4}{6}$ × $\frac{\square}{24}$ × = $\frac{\square}{24}$

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

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

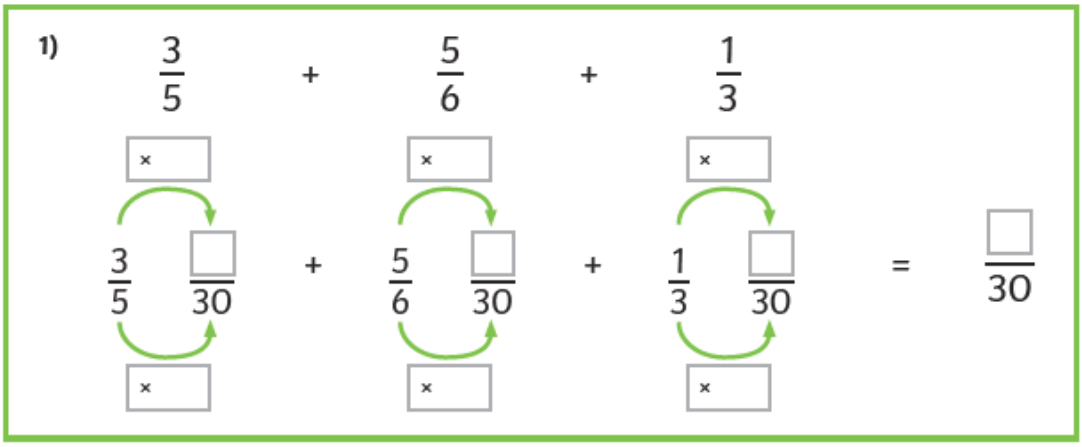
5) $\frac{4}{5} - \frac{1}{3}$

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

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

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) $\frac{3}{5} + \frac{5}{6} + \frac{1}{3}$



2) $\frac{5}{6} - \frac{1}{9}$

$\frac{\square}{18} - \frac{\square}{18} = \frac{\square}{18}$

3) $\frac{7}{8} + \frac{11}{12} + \frac{2}{4}$

$\frac{\square}{24} + \frac{\square}{24} + \frac{\square}{24} = \frac{\square}{24}$

4) $\frac{4}{8} - \frac{1}{7}$

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

5) $\frac{4}{9} + \frac{1}{6} + \frac{3}{4}$

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

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) $\frac{3}{8} - \frac{1}{5}$

$\frac{\square}{40} - \frac{\square}{40} = \frac{\square}{40}$

2) $\frac{7}{9} + \frac{4}{5} + \frac{2}{3}$

$\frac{\square}{45} + \frac{\square}{45} + \frac{\square}{45} = \frac{\square}{45}$

3) $\frac{15}{16} - \frac{7}{12}$

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

4) $\frac{6}{18} + \frac{11}{12} + \frac{4}{9}$

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

5) $\frac{5}{8} + \frac{7}{11} + \frac{3}{4}$

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

6) $\frac{13}{16} - \frac{6}{10}$

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