2-5 Adding and Subtracting Like Fractions

Like fractions have same denominator

Rules:

- Add or subtract the numerator
- Denominator stays the same
- Reduce or Simplify

$$\frac{5}{8} + \left(-\frac{7}{8}\right) = \frac{5-7}{8} = \frac{-\cancel{2}^{1}}{\cancel{8}_{4}} = -\frac{1}{4}$$

$$-\frac{8}{9} - \frac{7}{9} = \frac{-8-7}{9} = \frac{-15}{9} = -1\frac{2}{3}$$

$$-\frac{8}{9} + -\frac{7}{9} = \frac{-15}{9} = -1\frac{2}{3}$$

$$-1\frac{6}{9} = -1\frac{2}{3}$$

$$\frac{-1}{6} + \frac{-5}{6} = \frac{-6}{6} = -1$$

$$5\frac{7}{9} + 8\frac{4}{9} = 13\frac{11}{9}$$

$$= 14\frac{2}{9}$$

$$\frac{52}{9} + \frac{76}{9} = \frac{128}{9} = 14\frac{2}{9}$$

$60\frac{1}{4} - 58\frac{3}{4}$

$59\frac{1}{4} + \frac{4}{4} = 59\frac{5}{4}$

$-58\frac{3}{4} - 58\frac{3}{4}$

$1\frac{2}{4} = 1\frac{1}{2}$

$\frac{241}{4} - \frac{235}{4} = \frac{6}{4}$

$= 1\frac{2}{4} = 1\frac{1}{2}$