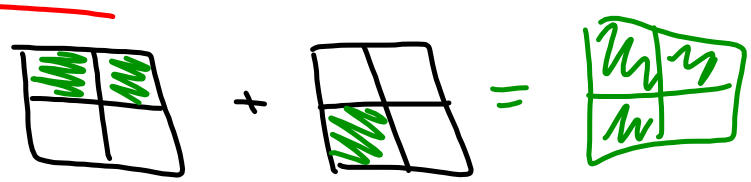
3.1 Adding and Subtracting Like Fractions

$\frac{5}{7}$ $\frac{6}{7}$ $\frac{4}{7}$ Same denominator

Visual



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

Steps (w/ like fractions)

- Add/Subtract the numerators
- Place over original denominator
- Write in lowest terms (mixed # if possible)

Ex 1

a) $\frac{1}{5} + \frac{2}{5} = \frac{1+2}{5} = \boxed{\frac{3}{5}}$

b) $\frac{1}{12} + \frac{7}{12} + \frac{1}{12} = \frac{1+7+1}{12} = \frac{9 \div 3}{12 \div 3}$ $\boxed{\frac{3}{4}}$

Ex 2

a) $\frac{7}{8} - \frac{4}{8} = \frac{7-4}{8} = \boxed{\frac{3}{8}}$

b) $\frac{13}{4} - \frac{6}{4} = \frac{13-6}{4} = \frac{7}{4} = \boxed{1\frac{3}{4}}$

$$4\overline{)7}\ \begin{matrix}1\\ -4\\ \hline 3\end{matrix}$$