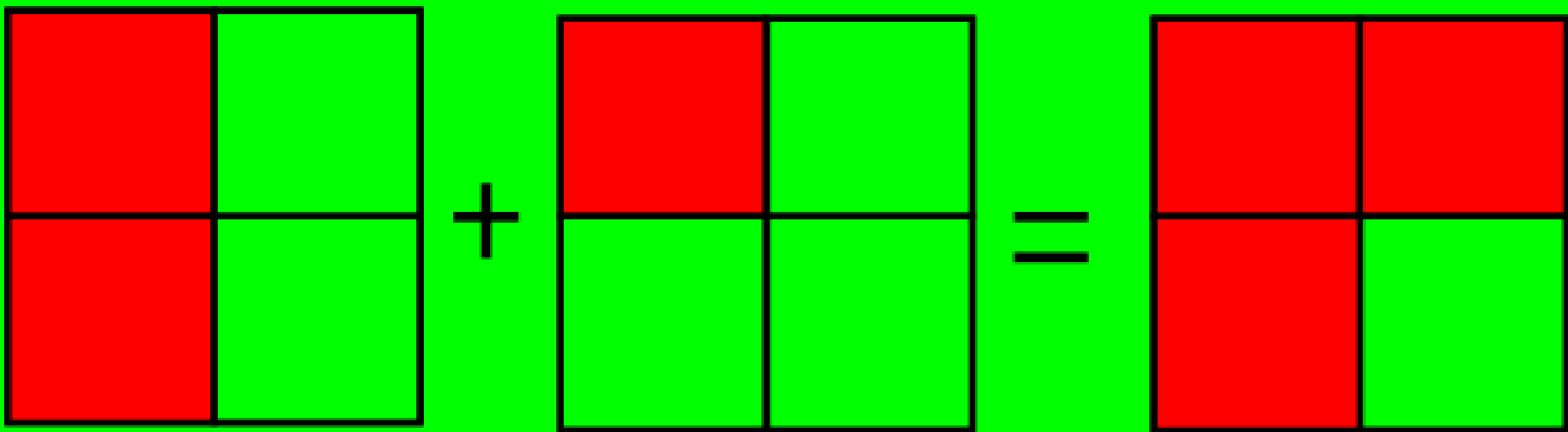


**Section 5-3:
Adding & Subtracting
Fractions
(Same Denominator)**



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

To find the sum or difference of two fractions with the same denominator:

-Add or subtract the numerators

-The denominator stays the same

Ex. 1: $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$

Ex. 2: $\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$

To find the sum or difference of two fractions with the same denominator:

-Add or subtract the numerators

-The denominator stays the same

Ex. 3: $\frac{7}{9} + \frac{5}{9} = \frac{12}{9} = \frac{4}{3}$

Ex. 4: $\frac{3}{5} - \frac{4}{5} = -\frac{1}{5} = -\frac{1}{5}$

To find the sum or difference of two fractions with the same denominator:

-Add or subtract the numerators

-The denominator stays the same

$$\text{Ex. 5: } -\frac{7}{16} + \frac{4}{16} = -\frac{3}{16}$$

$$\text{Ex. 6: } -\frac{3}{8} - \frac{4}{8} = -\frac{7}{8}$$

To find the sum or difference of two fractions with the same denominator:

- Add or subtract the numerators
- The denominator stays the same

$$\text{Ex. 7: } 4\frac{1}{3} + 2\frac{2}{3} = \frac{13}{3} + \frac{8}{3} = \frac{21}{3} = \textcircled{7}$$

$$\text{Ex. 8: } 2\frac{5}{8} - 1\frac{3}{8} = \frac{21}{8} - \frac{11}{8} = \frac{10}{8} = \textcircled{\frac{5}{4}}$$