

4.3 Add & Subtract Mixed Numbers

Determine:

$$3\frac{2}{5} + 1\frac{1}{5} =$$

$$= 3 + 1 \frac{2}{5} + \frac{1}{5}$$

$$= 4\frac{3}{5}$$

$$5\frac{3}{8} - 2\frac{1}{8} =$$

$$= 5 - 2 \frac{3}{8} - \frac{1}{8}$$

$$= 3\frac{2}{8} = 3\frac{1}{4}$$

$$2\frac{2}{3} + \frac{5}{3} =$$

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

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

$$4\frac{1}{12} - \frac{5}{12} =$$

$$= 3\frac{13}{12} - \frac{5}{12}$$

$$= 3\frac{8}{12} = 3\frac{2}{3}$$

Improper Fractions or Mixed Numbers still need an LCD to add or subtract.

Determine:

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

$$= 5\frac{8}{12} + \frac{3}{12}$$

$$= 5\frac{11}{12}$$

$$3\frac{3}{8} - 1\frac{5}{6} =$$

$$= 2\frac{9}{24} - \frac{20}{24}$$

$$= 1\frac{33}{24} - \frac{20}{24}$$

$$= 1\frac{13}{24}$$

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

$$= 8\frac{8}{10} + \frac{7}{10}$$

$$= 8\frac{15}{10} \rightarrow 8 + 1\frac{5}{10}$$

$$= 8\frac{3}{2}$$

$$= 9\frac{1}{2}$$

$$2\frac{7}{12} - 2\frac{1}{4} =$$

$$= \frac{7}{12} - \frac{3}{12}$$

$$= \frac{4}{12}$$

$$= \frac{1}{3}$$