

Adding Mixed Numbers (same denominator)

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

$$2\frac{3}{4}$$

① add the fractions

② add the whole #'s

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

$$6 + \frac{6}{4}$$

③ change Improper fraction to mixed #

$$6 + 1\frac{2}{4}$$

④ add whole #'s

$$7\frac{2}{4}$$

⑤ Simplify

$$\boxed{7\frac{1}{2}}$$

Adding Mixed Number

(different denominators)

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

$$4\frac{1 \times 3}{2 \times 3} \frac{3}{6}$$

① find common denominator

$$+ 3\frac{2 \times 2}{3 \times 2} \frac{4}{6}$$

② add like fractions

$$7 + \frac{7}{6}$$

③ add the whole #'s

$$\begin{array}{r} 1 \\ 6 \overline{) 7} \\ \underline{-6} \\ 1 \end{array}$$

$$1\frac{1}{6}$$

④ change improper fractions to mixed # by dividing

$$1 \quad 7 + 1\frac{1}{6}$$

⑤ add whole #'s

$$\boxed{8\frac{1}{6}}$$

⑥ Simplify