Adding Mixed Fractions

Example $8\frac{1}{6} + 3\frac{2}{3}$

STEP 1 – Add your wholes.

$8 + 3 = \boxed{11}$

STEP 2 – Add your fractions.

(Find common denominators using *equivalence* for one or both fractions if you need to.)

$\frac{1}{6} + \frac{2}{3}$

Equivalence

$\frac{2}{3} = \frac{4}{6}$

$\frac{1}{6} + \frac{4}{6} = \boxed{\frac{5}{6}}$

STEP 3 – Combine your wholes and fractions to get your final answer.

$11 + \frac{5}{6} = \boxed{11\frac{5}{6}}$

$8\frac{1}{6} + 3\frac{2}{3} = 11\frac{5}{6}$

Subtracting Mixed Fractions

Example $12\frac{1}{2} - 4\frac{1}{12}$

STEP 1 – Subtract your wholes.

$12 - 4 = \boxed{8}$

STEP 2 – Subtract your fractions.

(Find common denominators using *equivalence* for one or both fractions if you need to.)

$\frac{1}{2} - \frac{1}{12}$

Equivalence

$\frac{1}{2} = \frac{6}{12}$

$\frac{6}{12} - \frac{1}{12} = \boxed{\frac{5}{12}}$

STEP 3 – Combine your wholes and fractions to get your final answer.

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

$12\frac{1}{2} - 4\frac{1}{12} = 8\frac{5}{12}$