Fractions & Mixed Numbers- Sum & Difference
(with Common Denominators) MrB4math.com

Just as with fractions, mixed numbers require common denominators when adding or subtracting.

1) $3\frac{2}{9} + 10\frac{5}{9}$

$10\frac{5}{9}$
$3\frac{2}{9}$
$13\frac{7}{9}$

2) $14\frac{8}{11} - 2\frac{5}{11}$

$14\frac{8}{11}$
$2\frac{5}{11}$
$12\frac{3}{11}$

3) $8\frac{4}{7} + \frac{2}{7}$

$8\frac{4}{7}$
$\frac{2}{7}$
$8\frac{6}{7}$

4) $5\frac{8}{13} - \frac{6}{13}$

$5\frac{8}{13}$
$\frac{6}{13}$
$5\frac{2}{13}$

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5) $4\frac{3}{5} + 8\frac{2}{5}$

$8\frac{2}{5}$

$4\frac{3}{5}$

$12\frac{5}{5}$ ↓

$= 12 + 1 = \boxed{13}$

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

$10\frac{5}{7}$

$3\frac{4}{7}$

$13\frac{9}{7}$ ↓

$= 13 + 1\frac{2}{7} = \boxed{14\frac{2}{7}}$

6) $13\frac{2}{7} - 5\frac{6}{7}$

$13\frac{2}{7} + \frac{7}{7} \rightarrow 12\frac{9}{7}$

$5\frac{6}{7} \rightarrow 5\frac{6}{7}$

$\boxed{7\frac{3}{7}}$

8) $16\frac{5}{8} - 3\frac{7}{8}$

$16\frac{5}{8} + \frac{8}{8} \rightarrow 15\frac{13}{8}$

$3\frac{7}{8} \rightarrow 3\frac{7}{8}$

$12\frac{6}{8}$

$= \boxed{12\frac{3}{4}}$