Addition and Subtraction of Mixed Numbers with Like Denominators

To add or subtract mixed numbers with like denominators, first add or subtract the fractions. Then add or subtract the whole numbers and simplify.

1. Add the fraction. $1\frac{1}{8} + 2\frac{5}{8} = \frac{6}{8}$

2. Add the whole number. $1\frac{1}{8} + 2\frac{5}{8} = 3\frac{6}{8}$

3. Simplify your answer. $3\frac{6}{8} = 3\frac{3}{4}$

Add the mixed fractions and simplify.

1. $2\frac{1}{4} + 3\frac{1}{4} = 5\frac{2}{4} = 5\frac{1}{2}$
2. $3\frac{2}{4} + 6\frac{1}{4} =$ ___
3. $9\frac{3}{5} + 5\frac{1}{5} =$ ___
4. $6\frac{1}{8} + 2\frac{3}{8} =$ ___ = ___
5. $4\frac{3}{10} + 5\frac{3}{10} =$ ___ = ___
6. $8\frac{1}{5} + 9\frac{3}{5} =$ ___
7. $6\frac{1}{4} + 9\frac{2}{4} =$ ___
8. $6\frac{1}{3} + 5\frac{1}{3} =$ ___
9. $12\frac{2}{5} + 9\frac{1}{5} =$ ___
10. $12\frac{2}{9} + 4\frac{4}{9} =$ ___ = ___

1. Subtract the fraction. 2. Subtract the whole number. 3. Simplify your answer.

$8\frac{5}{9} - 4\frac{2}{9} = \frac{3}{9}$ $8\frac{5}{9} - 4\frac{2}{9} = 4\frac{3}{9}$ $4\frac{3}{9} = 4\frac{1}{3}$

Subtract the fractions and simplify.

1. $4\frac{11}{12} - 2\frac{1}{12} = 2\frac{10}{12} = 2\frac{5}{6}$
2. $3\frac{7}{8} - 2\frac{3}{8} =$ ___ = ___
3. $6\frac{7}{12} - 2\frac{5}{12} =$ ___ = ___
4. $5\frac{9}{10} - 3\frac{7}{10} =$ ___ = ___
5. $7\frac{5}{6} - 2\frac{1}{6} =$ ___ = ___
6. $7\frac{6}{8} - 4\frac{4}{8} =$ ___ = ___
7. $6\frac{3}{8} - 1\frac{1}{8} =$ ___ = ___
8. $8\frac{4}{5} - 3\frac{2}{5} =$ ___
9. $5\frac{5}{12} - 4\frac{1}{12} =$ ___ = ___
10. $8\frac{7}{10} - 4\frac{3}{10} =$ ___ = ___