Borrowing and Subtracting Mixed Numbers

Borrow one from the whole number and subtract the mixed numbers with like or unlike denominators. One is solved.

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

$= 9\frac{1}{5} - \left(3 + \frac{4}{5}\right)$

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

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

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

$= 5 + \frac{6}{5} - \frac{4}{5}$

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

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

2) $4\frac{1}{6} - 1\frac{3}{4} = \square$

3) $6\frac{1}{4} - 1\frac{3}{4} = \square$

4) $7\frac{3}{8} - 2\frac{5}{6} = \square$

5) $5\frac{7}{11} - 3\frac{9}{11} = \square$

6) $6\frac{3}{5} - 3\frac{9}{10} = \square$

7) $7\frac{5}{9} - 3\frac{7}{9} = \square$

8) $9\frac{4}{5} - 5\frac{5}{6} = \square$

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MATH MONKS

Answers

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

$= 9\frac{1}{5} - \left(3 + \frac{4}{5}\right)$

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

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

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

$= 5 + \frac{6}{5} - \frac{4}{5}$

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

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

2) $4\frac{1}{6} - 1\frac{3}{4} = \boxed{2\frac{5}{12}}$

3) $6\frac{1}{4} - 1\frac{3}{4} = \boxed{4\frac{1}{2}}$

4) $7\frac{3}{8} - 2\frac{5}{6} = \boxed{4\frac{13}{24}}$

5) $5\frac{7}{11} - 3\frac{9}{11} = \boxed{1\frac{9}{11}}$

6) $6\frac{3}{5} - 3\frac{9}{10} = \boxed{2\frac{7}{10}}$

7) $7\frac{5}{9} - 3\frac{7}{9} = \boxed{3\frac{7}{9}}$

8) $9\frac{4}{5} - 5\frac{5}{6} = \boxed{3\frac{29}{30}}$