Name_____

Add/Subtracting Fractions and Mixed Numbers

Date_____

Evaluate each expression.

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

3) $\frac{2}{5} + \frac{4}{5} = \boxed{\frac{6}{5} \text{ or } 1\frac{1}{5}}$

5) $\frac{6}{1} - \frac{1}{6} = \frac{6 \cdot 6}{1 \cdot 6} - \frac{1}{6} = \frac{36}{6} - \frac{1}{6} = \boxed{\frac{35}{6} \text{ or } 5\frac{5}{6}}$

7) $\frac{1}{5} + \frac{1}{5} = \boxed{\frac{2}{5}}$

9) $\left(-\frac{4}{5}\right) - \frac{7}{8} \quad \frac{\cdot 8}{\cdot 8} \quad \frac{\cdot 5}{\cdot 5} = \frac{-32}{40} - \frac{35}{40} = \frac{-32}{40} + \frac{-35}{40} = \boxed{\frac{-67}{40} \text{ or } -1\frac{27}{40}}$

11) $\left(-\frac{1}{3}\right) + \frac{3}{8} \quad \frac{\cdot 8}{\cdot 8} \quad \frac{\cdot 3}{\cdot 3} = \frac{-8}{24} + \frac{9}{24} = \boxed{\frac{1}{24}}$

13) $\frac{9}{5} + \left(-\frac{4}{3}\right) \quad \frac{\cdot 3}{\cdot 3} \quad \frac{\cdot 5}{\cdot 5} = \frac{27}{15} + \frac{-20}{15} = \boxed{\frac{7}{15}}$

15) $\frac{9}{5} - \frac{5}{8}$ $\cdot 8$ $\cdot 5$ $\cdot 5$ $= \frac{72}{40} - \frac{25}{40} = \boxed{\frac{47}{40} \text{ or } 1\frac{7}{40}}$

17) $\frac{(-1)}{1} + \left(-2\frac{2}{5}\right)$ $\times 5$ $+ 2$ $= \frac{-1 \cdot 5}{1 \cdot 5} + \frac{-12}{5} = \frac{-5}{5} + \frac{-12}{5} = \boxed{\frac{-17}{5} \text{ or } -3\frac{2}{5}}$

19) $3\frac{6}{7} + \left(-1\frac{1}{7}\right)$ $\times 7$ $+ 1$ $\times 7$ $+ 6$ $= \frac{27}{7} + \frac{-8}{7} = \boxed{\frac{19}{7} \text{ or } 2\frac{5}{7}}$

21) $2\frac{1}{3} + \left(-1\frac{2}{3}\right)$ $\times 3$ $+ 1$ $= \frac{7}{3} + \frac{-5}{3} = \boxed{\frac{2}{3}}$

23) $\left(-1\frac{7}{8}\right) + \left(-3\frac{1}{2}\right)$ $\times 8$ $\times 2$ $+ 7$ $+ 1$ $= \frac{-15}{8} + \frac{-7 \cdot 4}{2 \cdot 4} = \frac{-15}{8} + \frac{-28}{8} = \boxed{\frac{-43}{8} \text{ or } -5\frac{3}{8}}$

25) $\left(-2\frac{5}{6}\right) - \left(-1\frac{1}{4}\right)$ $\times 6$ $+ 5$ $\times 4$ $+ 1$ $= \frac{-17 \cdot 2}{6 \cdot 2} - \frac{5 \cdot 3}{4 \cdot 3} = \frac{-34}{12} + \frac{+15}{12} = \frac{-34}{12} + \frac{15}{12}$

$= \boxed{\frac{-19}{12} \text{ or } -1\frac{7}{12}}$

27) $1\frac{2}{5} - \left(-3\frac{3}{4}\right)$

$\frac{7 \cdot 4}{5 \cdot 4} - \frac{15 \cdot 5}{4 \cdot 5} = \frac{28}{20} + \frac{+75}{20} = \frac{28}{20} + \frac{75}{20} = \boxed{\frac{103}{20} \text{ or } 5\frac{3}{20}}$