Name _____

Order of Operations with Fractions

Solve the following expressions by applying the correct order of operations (PEMDAS) with fractions.

1) $\frac{1}{3} + 3 \times \left(\frac{3}{4} - \frac{1}{4}\right)$

2

2) $\frac{2}{3} + 4 \times \left(\frac{5}{6} - \frac{1}{2}\right)$

2

3) $\frac{3}{5} + 5 \times \left(\frac{3}{4} + \frac{1}{4}\right)$

$\frac{28}{5}$ or $5\frac{3}{5}$

4) $\frac{1}{3} + 2 \times \left(\frac{3}{5} \div \frac{1}{2}\right)$

$\frac{10}{3}$ or $3\frac{1}{3}$

5) $\frac{5}{6} + 3 \times \left(\frac{1}{3} \div \frac{1}{6}\right)$

$\frac{41}{6}$ or $6\frac{5}{6}$

6) $\frac{2}{3} + 2 \times \left(\frac{3}{5} - \frac{1}{5}\right)$

$\frac{22}{15}$ or $1\frac{7}{15}$

7) $\frac{4}{5} + 3 \times \left(\frac{2}{3} - \frac{1}{4}\right)$

$\frac{41}{20}$ or $2\frac{1}{20}$

8) $\frac{1}{4} + 5 \times \left(\frac{3}{8} + \frac{1}{8}\right)$

$\frac{11}{4}$ or $2\frac{3}{4}$

9) $\frac{3}{7} + 4 \times \left(\frac{2}{3} + \frac{1}{6}\right)$

$\frac{79}{21}$ or $3\frac{16}{21}$

10) $\frac{2}{3} + 2 \times \left(\frac{5}{6} \times \frac{2}{5}\right)$

$\frac{12}{5}$ or $2\frac{2}{5}$