Name _____

Order of Operations with Fractions

Simplify each expression by solving the operations inside the innermost parentheses first, then follow the order of operations.

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

$\frac{16}{3}$ or $5\frac{1}{3}$

2) $\left(\frac{1}{4}+\left(\frac{7}{8}-\frac{3}{8}\right)\right)\times 2$

$\frac{3}{2}$ or $1\frac{1}{2}$

3) $\left(\frac{3}{5}+\left(\frac{4}{9}-\frac{2}{9}\right)\right)\times 3$

$\frac{19}{5}$ or $3\frac{4}{5}$

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

$\frac{85}{24}$ or $3\frac{13}{24}$

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

$\frac{26}{15}$ or $1\frac{11}{15}$

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

$\frac{93}{35}$ or $2\frac{23}{35}$

7) $\left(\frac{1}{5}+\left(\frac{6}{7}\times\frac{2}{3}\right)\right)\times 2$

$\frac{54}{35}$ or $1\frac{19}{35}$

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

$\frac{21}{4}$ or $5\frac{1}{4}$

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

$\frac{212}{35}$ or $6\frac{2}{35}$

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

$\frac{49}{15}$ or $3\frac{4}{15}$

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