Order of Operations with Fractions (C)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\frac{2}{9} + \left(\frac{1}{6}\right)^2$

$\left(\frac{1}{4} + \frac{1}{6}\right) \div \frac{5}{9}$

$\frac{7}{8} - \left(\frac{5}{6}\right)^2$

$\frac{5}{6} \times \left(\frac{1}{5}\right)^2$

$\frac{8}{9} - \frac{7}{9} \times \frac{5}{8}$

$\left(\frac{1}{2}\right)^2 \div \frac{8}{9}$

$\frac{3}{8} \div \left(\frac{5}{8} - \frac{3}{5}\right)$

$\frac{3}{4} - \frac{1}{8} \div \frac{7}{9}$

$\left(\frac{5}{9} + \frac{1}{8}\right) \div \frac{5}{8}$

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$\frac{2}{9} + \left(\frac{1}{6}\right)^2$

$= \frac{2}{9} + \frac{1}{36}$

$= \frac{1}{4}$

$\left(\frac{1}{4} + \frac{1}{6}\right) \div \frac{5}{9}$

$= \frac{5}{12} \div \frac{5}{9}$

$= \frac{3}{4}$

$\frac{7}{8} - \left(\frac{5}{6}\right)^2$

$= \frac{7}{8} - \frac{25}{36}$

$= \frac{13}{72}$

$\frac{5}{6} \times \left(\frac{1}{5}\right)^2$

$= \frac{5}{6} \times \frac{1}{25}$

$= \frac{1}{30}$

$\frac{8}{9} - \frac{7}{9} \times \frac{5}{8}$

$= \frac{8}{9} - \frac{35}{72}$

$= \frac{29}{72}$

$\left(\frac{1}{2}\right)^2 \div \frac{8}{9}$

$= \frac{1}{4} \div \frac{8}{9}$

$= \frac{9}{32}$

$\frac{3}{8} \div \left(\frac{5}{8} - \frac{3}{5}\right)$

$= \frac{3}{8} \div \frac{1}{40}$

$= 15$

$\frac{3}{4} - \frac{1}{8} \div \frac{7}{9}$

$= \frac{3}{4} - \frac{9}{56}$

$= \frac{33}{56}$

$\left(\frac{5}{9} + \frac{1}{8}\right) \div \frac{5}{8}$

$= \frac{49}{72} \div \frac{5}{8}$

$= \frac{49}{45}$

$= 1\frac{4}{45}$