Order of Operations with Fractions (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\frac{1}{3} \div \left(\frac{3}{8} + \frac{5}{9}\right)$

$\left(\frac{7}{9} - \frac{1}{3}\right) \div \frac{1}{9}$

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

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

$\frac{7}{9} \div \left(\frac{2}{9}\right)^2$

$\frac{1}{3} - \frac{2}{5} \times \frac{1}{4}$

$\frac{7}{9} \div \left(\frac{3}{5} - \frac{1}{4}\right)$

$\frac{2}{3} \times \frac{5}{8} - \frac{1}{6}$

$\frac{2}{5} \div \frac{1}{2} + \frac{1}{5}$

Order of Operations with Fractions (E)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\frac{1}{3} \div \left(\frac{3}{8} + \frac{5}{9}\right)$

$= \frac{1}{3} \div \frac{67}{72}$

$= \frac{24}{67}$

$\left(\frac{7}{9} - \frac{1}{3}\right) \div \frac{1}{9}$

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

$= 4$

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

$= \frac{9}{16} - \frac{2}{5}$

$= \frac{13}{80}$

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

$= \frac{2}{3} \times \frac{8}{9}$

$= \frac{16}{27}$

$\frac{7}{9} \div \left(\frac{2}{9}\right)^2$

$= \frac{7}{9} \div \frac{4}{81}$

$= \frac{63}{4}$

$= 15\frac{3}{4}$

$\frac{1}{3} - \frac{2}{5} \times \frac{1}{4}$

$= \frac{1}{3} - \frac{1}{10}$

$= \frac{7}{30}$

$\frac{7}{9} \div \left(\frac{3}{5} - \frac{1}{4}\right)$

$= \frac{7}{9} \div \frac{7}{20}$

$= \frac{20}{9}$

$= 2\frac{2}{9}$

$\frac{2}{3} \times \frac{5}{8} - \frac{1}{6}$

$= \frac{5}{12} - \frac{1}{6}$

$= \frac{1}{4}$

$\frac{2}{5} \div \frac{1}{2} + \frac{1}{5}$

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

$= 1$