Order of Operations with Fractions (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

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

$\frac{1}{3}\div\frac{5}{8}+\frac{1}{5}$

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

$\frac{1}{2}\times\frac{2}{3}+\frac{5}{8}$

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

$\frac{5}{8}\div\left(\frac{1}{4}-\frac{1}{6}\right)$

$\frac{3}{4}\div\frac{1}{3}+\frac{2}{5}$

$\frac{1}{9}\div\frac{2}{9}+\frac{1}{6}$

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Name: _____ Date: _____

Simplify each expression using the correct order of operations.

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

$=\frac{49}{45}\times\frac{5}{8}$

$=\frac{49}{72}$

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

$=\frac{31}{20}\div\frac{1}{5}$

$=\frac{31}{4}$

$=7\frac{3}{4}$

$\frac{1}{3}\div\frac{5}{8}+\frac{1}{5}$

$=\frac{8}{15}+\frac{1}{5}$

$=\frac{11}{15}$

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

$=\frac{27}{64}\times\frac{2}{3}$

$=\frac{9}{32}$

$\frac{1}{2}\times\frac{2}{3}+\frac{5}{8}$

$=\frac{1}{3}+\frac{5}{8}$

$=\frac{23}{24}$

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

$=\frac{2}{3}+\frac{25}{36}$

$=\frac{49}{36}$

$=1\frac{13}{36}$

$\frac{5}{8}\div\left(\frac{1}{4}-\frac{1}{6}\right)$

$=\frac{5}{8}\div\frac{1}{12}$

$=\frac{15}{2}$

$=7\frac{1}{2}$

$\frac{3}{4}\div\frac{1}{3}+\frac{2}{5}$

$=\frac{9}{4}+\frac{2}{5}$

$=\frac{53}{20}$

$=2\frac{13}{20}$

$\frac{1}{9}\div\frac{2}{9}+\frac{1}{6}$

$=\frac{1}{2}+\frac{1}{6}$

$=\frac{2}{3}$