Order of Operations with Fractions (A)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left(\frac{1}{2}\right)^3 + \frac{2}{3}$

$\frac{1}{2} \times \frac{4}{9} + \frac{2}{5}$

$\frac{3}{4} \times \frac{1}{6} + \frac{5}{8}$

$\frac{1}{5} \div \left(\frac{1}{4}\right)^2$

$\frac{2}{3} + \frac{1}{8} \times \frac{1}{9}$

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

$\frac{1}{8} \div \frac{1}{5} + \frac{1}{2}$

$\left(\frac{1}{2} + \frac{3}{5}\right) \div \frac{2}{9}$

$\frac{1}{6} - \frac{1}{9} \times \frac{5}{8}$

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Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$\left(\frac{1}{2}\right)^3 + \frac{2}{3}$

$= \frac{1}{8} + \frac{2}{3}$

$= \frac{19}{24}$

$\frac{1}{2} \times \frac{4}{9} + \frac{2}{5}$

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

$= \frac{28}{45}$

$\frac{3}{4} \times \frac{1}{6} + \frac{5}{8}$

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

$= \frac{3}{4}$

$\frac{1}{5} \div \left(\frac{1}{4}\right)^2$

$= \frac{1}{5} \div \frac{1}{16}$

$= \frac{16}{5}$

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

$\frac{2}{3} + \frac{1}{8} \times \frac{1}{9}$

$= \frac{2}{3} + \frac{1}{72}$

$= \frac{49}{72}$

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

$= \frac{3}{5} \times 1$

$= \frac{3}{5}$

$\frac{1}{8} \div \frac{1}{5} + \frac{1}{2}$

$= \frac{5}{8} + \frac{1}{2}$

$= \frac{9}{8}$

$= 1\frac{1}{8}$

$\left(\frac{1}{2} + \frac{3}{5}\right) \div \frac{2}{9}$

$= \frac{11}{10} \div \frac{2}{9}$

$= \frac{99}{20}$

$= 4\frac{19}{20}$

$\frac{1}{6} - \frac{1}{9} \times \frac{5}{8}$

$= \frac{1}{6} - \frac{5}{72}$

$= \frac{7}{72}$