Order of Operations with Fractions (H)

Name: _____

Simplify each expression using the correct order of operations.

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

$\dfrac{2}{3} \div \dfrac{1}{5} - \dfrac{2}{5}$

$\left(\dfrac{5}{6} + \dfrac{2}{9}\right) \times \dfrac{1}{3}$

$\left(\dfrac{2}{9}\right)^2 \times \dfrac{3}{4}$

$\dfrac{3}{4} \div \left(\dfrac{7}{8} - \dfrac{4}{5}\right)$

$\left(\dfrac{7}{9} + \dfrac{3}{8}\right) \div \dfrac{7}{8}$

$\left(\dfrac{7}{9} + \dfrac{1}{3}\right) \times \dfrac{3}{4}$

$\left(\dfrac{3}{4} + \dfrac{1}{2}\right) \div \dfrac{1}{4}$

$\dfrac{1}{3} + \dfrac{7}{9} \times \dfrac{4}{5}$

Order of Operations with Fractions (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$= \frac{2}{5} \div \frac{16}{25}$

$= \frac{5}{8}$

$\frac{2}{3} \div \frac{1}{5} - \frac{2}{5}$

$= \frac{10}{3} - \frac{2}{5}$

$= \frac{44}{15}$

$= 2\frac{14}{15}$

$\left(\frac{5}{6} + \frac{2}{9}\right) \times \frac{1}{3}$

$= \frac{19}{18} \times \frac{1}{3}$

$= \frac{19}{54}$

$\left(\frac{2}{9}\right)^2 \times \frac{3}{4}$

$= \frac{4}{81} \times \frac{3}{4}$

$= \frac{1}{27}$

$\frac{3}{4} \div \left(\frac{7}{8} - \frac{4}{5}\right)$

$= \frac{3}{4} \div \frac{3}{40}$

$= 10$

$\left(\frac{7}{9} + \frac{3}{8}\right) \div \frac{7}{8}$

$= \frac{83}{72} \div \frac{7}{8}$

$= \frac{83}{63}$

$= 1\frac{20}{63}$

$\left(\frac{7}{9} + \frac{1}{3}\right) \times \frac{3}{4}$

$= \frac{10}{9} \times \frac{3}{4}$

$= \frac{5}{6}$

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

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

$= 5$

$\frac{1}{3} + \frac{7}{9} \times \frac{4}{5}$

$= \frac{1}{3} + \frac{28}{45}$

$= \frac{43}{45}$

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