Order of Operations with Fractions (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$\frac{5}{6} \div \frac{1}{6} + \left(-\frac{8}{9}\right)$

$\left(-\frac{8}{9}\right) \div \left(-\frac{1}{3}\right) - \frac{1}{2}$

$\frac{2}{9} \times \frac{1}{5} - \left(-\frac{4}{5}\right)$

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

$\left(-\frac{5}{9}\right) \times \left(\frac{2}{5} - \left(-\frac{3}{8}\right)\right)$

$\left(\frac{1}{6} - \left(-\frac{8}{9}\right)\right) \div \frac{3}{4}$

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$\dfrac{5}{6} \div \dfrac{1}{6} + \left(-\dfrac{8}{9}\right)$

$= 5 + \left(-\dfrac{8}{9}\right)$

$= \dfrac{37}{9}$

$= 4\dfrac{1}{9}$

$\left(-\dfrac{8}{9}\right) \div \left(-\dfrac{1}{3}\right) - \dfrac{1}{2}$

$= \dfrac{8}{3} - \dfrac{1}{2}$

$= \dfrac{13}{6}$

$= 2\dfrac{1}{6}$

$\dfrac{2}{9} \times \dfrac{1}{5} - \left(-\dfrac{4}{5}\right)$

$= \dfrac{2}{45} - \left(-\dfrac{4}{5}\right)$

$= \dfrac{38}{45}$

$\dfrac{2}{9} - \left(-\dfrac{1}{2}\right) \div \dfrac{1}{9}$

$= \dfrac{2}{9} - \left(-\dfrac{9}{2}\right)$

$= \dfrac{85}{18}$

$= 4\dfrac{13}{18}$

$\left(-\dfrac{5}{9}\right) \times \left(\dfrac{2}{5} - \left(-\dfrac{3}{8}\right)\right)$

$= \left(-\dfrac{5}{9}\right) \times \dfrac{31}{40}$

$= -\dfrac{31}{72}$

$\left(\dfrac{1}{6} - \left(-\dfrac{8}{9}\right)\right) \div \dfrac{3}{4}$

$= \dfrac{19}{18} \div \dfrac{3}{4}$

$= \dfrac{38}{27}$

$= 1\dfrac{11}{27}$

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