Order of Operations with Fractions (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\left(-\frac{8}{9}\right) - \frac{2}{5} \div \left(-\frac{1}{4}\right)$$

$$\frac{1}{2} \div \frac{2}{3} + \frac{1}{6}$$

$$\frac{1}{6} + \left(-\frac{1}{4}\right) \times \frac{2}{9}$$

$$\left(\frac{1}{6} + \frac{5}{6}\right) \times \left(-\frac{7}{9}\right)$$

$$\frac{2}{9} \div \left(-\frac{5}{9}\right) + \left(-\frac{7}{8}\right)$$

$$\frac{2}{9} \times \frac{7}{9} - \left(-\frac{7}{9}\right)$$

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$$\left(-\frac{8}{9}\right) - \frac{2}{5} \div \left(-\frac{1}{4}\right)$$

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

$$= \frac{32}{45}$$

$$\frac{1}{2} \div \frac{2}{3} + \frac{1}{6}$$

$$= \frac{3}{4} + \frac{1}{6}$$

$$= \frac{11}{12}$$

$$\frac{1}{6} + \left(-\frac{1}{4}\right) \times \frac{2}{9}$$

$$= \frac{1}{6} + \left(-\frac{1}{18}\right)$$

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

$$\left(\frac{1}{6} + \frac{5}{6}\right) \times \left(-\frac{7}{9}\right)$$

$$= 1 \times \left(-\frac{7}{9}\right)$$

$$= -\frac{7}{9}$$

$$\frac{2}{9} \div \left(-\frac{5}{9}\right) + \left(-\frac{7}{8}\right)$$

$$= \left(-\frac{2}{5}\right) + \left(-\frac{7}{8}\right)$$

$$= -\frac{51}{40}$$

$$= -1\frac{11}{40}$$

$$\frac{2}{9} \times \frac{7}{9} - \left(-\frac{7}{9}\right)$$

$$= \frac{14}{81} - \left(-\frac{7}{9}\right)$$

$$= \frac{77}{81}$$

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