

Order of Operations with Fractions (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\left(\frac{2}{3} + \left(-\frac{4}{5}\right)\right) \times \left(-\frac{1}{2}\right)$$

$$\left(-\frac{2}{3}\right)^2 - \left(-\frac{1}{5}\right)$$

$$\left(-\frac{2}{5}\right) + \left(-\frac{5}{6}\right) \times \frac{3}{4}$$

$$\left(-\frac{2}{5}\right) \times \left(\frac{1}{8} - \left(-\frac{5}{6}\right)\right)$$

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

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$$\begin{aligned} & \left(-\frac{3}{5}\right) - \frac{5}{8} \div \left(-\frac{3}{8}\right) \\ &= \frac{\left(-\frac{3}{5}\right) - \left(-\frac{5}{3}\right)}{} \\ &= \frac{16}{15} \\ &= 1\frac{1}{15} \end{aligned}$$

$$\begin{aligned} & \left(\frac{2}{3} + \left(-\frac{4}{5}\right)\right) \times \left(-\frac{1}{2}\right) \\ &= \frac{\left(-\frac{2}{15}\right) \times \left(-\frac{1}{2}\right)}{} \\ &= \frac{1}{15} \end{aligned}$$

$$\begin{aligned} & \frac{\left(-\frac{2}{3}\right)^2 - \left(-\frac{1}{5}\right)}{} \\ &= \frac{\frac{4}{9} - \left(-\frac{1}{5}\right)}{} \\ &= \frac{29}{45} \end{aligned}$$

$$\begin{aligned} & \left(-\frac{2}{5}\right) + \frac{\left(-\frac{5}{6}\right) \times \frac{3}{4}}{} \\ &= \frac{\left(-\frac{2}{5}\right) + \left(-\frac{5}{8}\right)}{} \\ &= -\frac{41}{40} \\ &= -1\frac{1}{40} \end{aligned}$$

$$\begin{aligned} & \left(-\frac{2}{5}\right) \times \left(\frac{1}{8} - \left(-\frac{5}{6}\right)\right) \\ &= \frac{\left(-\frac{2}{5}\right) \times \frac{23}{24}}{} \\ &= -\frac{23}{60} \end{aligned}$$

$$\begin{aligned} & \frac{\left(-\frac{1}{4}\right) \times \frac{2}{9} - \frac{5}{9}}{} \\ &= \frac{\left(-\frac{1}{18}\right) - \frac{5}{9}}{} \\ &= -\frac{11}{18} \end{aligned}$$