

Order of Operations with Fractions (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{5}{8} \times \frac{8}{9} + \frac{1}{2}$$

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

$$\frac{2}{3} \div \frac{7}{8} - \frac{1}{2}$$

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

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

$$\frac{1}{6} + \frac{1}{9} \div \frac{7}{9}$$

$$\left(\frac{3}{8} + \frac{5}{8} \right) \div \frac{5}{6}$$

$$\frac{3}{8} + \frac{1}{8} \div \frac{5}{6}$$

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

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$$\begin{aligned} & \frac{5}{8} \times \frac{8}{9} + \frac{1}{2} \\ &= \frac{5}{9} + \frac{1}{2} \\ &= \frac{19}{18} \\ &= 1\frac{1}{18} \end{aligned}$$

$$\begin{aligned} & \frac{1}{5} \times \left(\frac{7}{9} + \frac{5}{9} \right) \\ &= \frac{1}{5} \times \frac{4}{3} \\ &= \frac{4}{15} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} \div \frac{7}{8} - \frac{1}{2} \\ &= \frac{16}{21} - \frac{1}{2} \\ &= \frac{11}{42} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} \div \frac{1}{5} - \frac{3}{5} \\ &= \frac{5}{2} - \frac{3}{5} \\ &= \frac{19}{10} \\ &= 1\frac{9}{10} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{9} - \frac{1}{9} \right) \times \frac{4}{9} \\ &= \frac{4}{9} \times \frac{4}{9} \\ &= \frac{16}{81} \end{aligned}$$

$$\begin{aligned} & \frac{1}{6} + \frac{1}{9} \div \frac{7}{9} \\ &= \frac{1}{6} + \frac{1}{7} \\ &= \frac{13}{42} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{8} + \frac{5}{8} \right) \div \frac{5}{6} \\ &= 1 \div \frac{5}{6} \\ &= \frac{6}{5} \\ &= 1\frac{1}{5} \end{aligned}$$

$$\begin{aligned} & \frac{3}{8} + \frac{1}{8} \div \frac{5}{6} \\ &= \frac{3}{8} + \frac{3}{20} \\ &= \frac{21}{40} \end{aligned}$$

$$\begin{aligned} & \frac{4}{9} \times \frac{1}{5} + \frac{1}{3} \\ &= \frac{4}{45} + \frac{1}{3} \\ &= \frac{19}{45} \end{aligned}$$