

Order of Operations with Fractions (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{3}{8} \times \left(\frac{1}{6} + \frac{5}{8} \right)$$

$$\frac{7}{9} - \frac{1}{4} \times \frac{4}{5}$$

$$\frac{2}{5} \div \left(\frac{1}{3} + \frac{2}{3} \right)$$

$$\frac{1}{2} \div \frac{1}{8} - \frac{2}{5}$$

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

$$\left(\frac{3}{4} - \frac{1}{4} \right) \times \frac{5}{9}$$

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

$$\left(\frac{1}{3} + \frac{3}{4} \right) \div \frac{1}{5}$$

$$\frac{8}{9} + \frac{2}{5} \div \frac{3}{4}$$

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$$\begin{aligned} \frac{3}{8} \times \left(\frac{1}{6} + \frac{5}{8} \right) \\ &= \frac{3}{8} \times \frac{19}{24} \\ &= \frac{19}{64} \end{aligned}$$

$$\begin{aligned} \frac{7}{9} - \frac{1}{4} \times \frac{4}{5} \\ &= \frac{7}{9} - \frac{1}{5} \\ &= \frac{26}{45} \end{aligned}$$

$$\begin{aligned} \frac{2}{5} \div \left(\frac{1}{3} + \frac{2}{3} \right) \\ &= \frac{2}{5} \div 1 \\ &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} \frac{1}{2} \div \frac{1}{8} - \frac{2}{5} \\ &= 4 - \frac{2}{5} \\ &= \frac{18}{5} \\ &= 3\frac{3}{5} \end{aligned}$$

$$\begin{aligned} \frac{2}{5} \div \left(\frac{1}{9} + \frac{1}{6} \right) \\ &= \frac{2}{5} \div \frac{5}{18} \\ &= \frac{36}{25} \\ &= 1\frac{11}{25} \end{aligned}$$

$$\begin{aligned} \left(\frac{3}{4} - \frac{1}{4} \right) \times \frac{5}{9} \\ &= \frac{1}{2} \times \frac{5}{9} \\ &= \frac{5}{18} \end{aligned}$$

$$\begin{aligned} \frac{1}{6} \times \left(\frac{1}{2} + \frac{1}{5} \right) \\ &= \frac{1}{6} \times \frac{7}{10} \\ &= \frac{7}{60} \end{aligned}$$

$$\begin{aligned} \left(\frac{1}{3} + \frac{3}{4} \right) \div \frac{1}{5} \\ &= \frac{13}{12} \div \frac{1}{5} \\ &= \frac{65}{12} \\ &= 5\frac{5}{12} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} + \frac{2}{5} \div \frac{3}{4} \\ &= \frac{8}{9} + \frac{8}{15} \\ &= \frac{64}{45} \\ &= 1\frac{19}{45} \end{aligned}$$