

Order of Operations with Fractions (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4}$$

$$\frac{1}{3} \times \frac{1}{2} + \frac{1}{8}$$

$$\frac{1}{6} + \frac{4}{5} \times \frac{7}{9}$$

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

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

$$\frac{5}{9} \div \frac{5}{6} + \frac{4}{9}$$

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

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

$$\frac{7}{8} + \frac{5}{6} \times \frac{2}{5}$$

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$$\begin{aligned} & \frac{1}{2} - \frac{1}{3} \times \frac{1}{4} \\ &= \frac{1}{2} - \frac{1}{12} \\ &= \frac{5}{12} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} \times \frac{1}{2} + \frac{1}{8} \\ &= \frac{1}{6} + \frac{1}{8} \\ &= \frac{7}{24} \end{aligned}$$

$$\begin{aligned} & \frac{1}{6} + \frac{4}{5} \times \frac{7}{9} \\ &= \frac{1}{6} + \frac{28}{45} \\ &= \frac{71}{90} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} \div \left(\frac{2}{5} - \frac{1}{3} \right) \\ &= \frac{1}{2} \div \frac{1}{15} \\ &= \frac{15}{2} \\ &= 7\frac{1}{2} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{3} - \frac{1}{4} \right) \div \frac{4}{5} \\ &= \frac{1}{12} \div \frac{4}{5} \\ &= \frac{5}{48} \end{aligned}$$

$$\begin{aligned} & \frac{5}{9} \div \frac{5}{6} + \frac{4}{9} \\ &= \frac{2}{3} + \frac{4}{9} \\ &= \frac{10}{9} \\ &= 1\frac{1}{9} \end{aligned}$$

$$\begin{aligned} & \frac{1}{9} \times \left(\frac{1}{2} - \frac{1}{5} \right) \\ &= \frac{1}{9} \times \frac{3}{10} \\ &= \frac{1}{30} \end{aligned}$$

$$\begin{aligned} & \frac{4}{5} \times \left(\frac{1}{2} - \frac{4}{9} \right) \\ &= \frac{4}{5} \times \frac{1}{18} \\ &= \frac{2}{45} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} + \frac{5}{6} \times \frac{2}{5} \\ &= \frac{7}{8} + \frac{1}{3} \\ &= \frac{29}{24} \\ &= 1\frac{5}{24} \end{aligned}$$