

## Order of Operations with Fractions (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

$$\frac{5}{8} \div \frac{7}{9} + \frac{3}{4}$$

$$\frac{2}{3} + \frac{5}{6} \div \frac{5}{9}$$

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

$$\frac{5}{9} \div \left( \frac{4}{9} + \frac{1}{6} \right)$$

$$\left( \frac{5}{8} - \frac{2}{5} \right) \div \frac{3}{5}$$

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

$$\left( \frac{7}{8} + \frac{1}{9} \right) \div \frac{1}{2}$$

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

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Simplify each expression using the correct order of operations.

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

$$\begin{aligned} \frac{5}{8} \div \frac{7}{9} + \frac{3}{4} \\ = \frac{45}{56} + \frac{3}{4} \\ = \frac{87}{56} \\ = 1 \frac{31}{56} \end{aligned}$$

$$\begin{aligned} \frac{2}{3} + \frac{5}{6} \div \frac{5}{9} \\ = \frac{2}{3} + \frac{3}{2} \\ = \frac{13}{6} \\ = 2 \frac{1}{6} \end{aligned}$$

$$\begin{aligned} \frac{5}{9} + \frac{2}{9} \times \frac{1}{2} \\ = \frac{5}{9} + \frac{1}{9} \\ = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \frac{5}{9} \div \left( \frac{4}{9} + \frac{1}{6} \right) \\ = \frac{5}{9} \div \frac{11}{18} \\ = \frac{10}{11} \end{aligned}$$

$$\begin{aligned} \left( \frac{5}{8} - \frac{2}{5} \right) \div \frac{3}{5} \\ = \frac{9}{40} \div \frac{3}{5} \\ = \frac{3}{8} \end{aligned}$$

$$\begin{aligned} \left( \frac{1}{6} - \frac{1}{9} \right) \div \frac{5}{6} \\ = \frac{1}{18} \div \frac{5}{6} \\ = \frac{1}{15} \end{aligned}$$

$$\begin{aligned} \left( \frac{7}{8} + \frac{1}{9} \right) \div \frac{1}{2} \\ = \frac{71}{72} \div \frac{1}{2} \\ = \frac{71}{36} \\ = 1 \frac{35}{36} \end{aligned}$$

$$\begin{aligned} \frac{4}{9} \div \frac{5}{8} + \frac{2}{5} \\ = \frac{32}{45} + \frac{2}{5} \\ = \frac{10}{9} \\ = 1 \frac{1}{9} \end{aligned}$$