

## Order of Operations with Fractions (C)

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

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

Simplify each expression using the correct order of operations.

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

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

$$\frac{7}{8} - \left(\frac{5}{6}\right)^2$$

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

$$\frac{8}{9} - \frac{7}{9} \times \frac{5}{8}$$

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

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

$$\frac{3}{4} - \frac{1}{8} \div \frac{7}{9}$$

$$\left(\frac{5}{9} + \frac{1}{8}\right) \div \frac{5}{8}$$

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & \frac{2}{9} + \left(\frac{1}{6}\right)^2 \\ &= \frac{2}{9} + \frac{1}{36} \\ &= \frac{1}{4} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{4} + \frac{1}{6}\right) \div \frac{5}{9} \\ &= \frac{5}{12} \div \frac{5}{9} \\ &= \frac{3}{4} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} - \left(\frac{5}{6}\right)^2 \\ &= \frac{7}{8} - \frac{25}{36} \\ &= \frac{13}{72} \end{aligned}$$

$$\begin{aligned} & \frac{5}{6} \times \left(\frac{1}{5}\right)^2 \\ &= \frac{5}{6} \times \frac{1}{25} \\ &= \frac{1}{30} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} - \frac{7}{9} \times \frac{5}{8} \\ &= \frac{8}{9} - \frac{35}{72} \\ &= \frac{29}{72} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{2}\right)^2 \div \frac{8}{9} \\ &= \frac{1}{4} \div \frac{8}{9} \\ &= \frac{9}{32} \end{aligned}$$

$$\begin{aligned} & \frac{3}{8} \div \left(\frac{5}{8} - \frac{3}{5}\right) \\ &= \frac{3}{8} \div \frac{1}{40} \\ &= 15 \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} - \frac{1}{8} \div \frac{7}{9} \\ &= \frac{3}{4} - \frac{9}{56} \\ &= \frac{33}{56} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{9} + \frac{1}{8}\right) \div \frac{5}{8} \\ &= \frac{49}{72} \div \frac{5}{8} \\ &= \frac{49}{45} \\ &= 1\frac{4}{45} \end{aligned}$$