

# Order of Operations with Fractions (F)

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

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

Simplify each expression using the correct order of operations.

$$\frac{1}{6} \div \left( \frac{5}{9} + \frac{3}{8} \right)$$

$$\frac{3}{5} \div \left( \frac{7}{9} - \frac{4}{9} \right)$$

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

$$\frac{1}{8} + \frac{2}{3} \div \frac{5}{9}$$

$$\left( \frac{1}{6} + \frac{7}{8} \right) \div \frac{8}{9}$$

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

$$\frac{3}{5} \div \left( \frac{5}{6} + \frac{4}{5} \right)$$

$$\frac{3}{5} \times \left( \frac{2}{5} - \frac{1}{6} \right)$$

$$\left( \frac{1}{2} - \frac{4}{9} \right) \div \frac{7}{9}$$

# Order of Operations with Fractions (F)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{1}{6} \div \left( \frac{5}{9} + \frac{3}{8} \right) \\ = \frac{1}{6} \div \frac{67}{72} \\ = \frac{12}{67} \end{aligned}$$

$$\begin{aligned} \frac{3}{5} \div \left( \frac{7}{9} - \frac{4}{9} \right) \\ = \frac{3}{5} \div \frac{1}{3} \\ = \frac{9}{5} \\ = 1\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \left( \frac{5}{9} - \frac{2}{5} \right) \times \frac{1}{2} \\ = \frac{7}{45} \times \frac{1}{2} \\ = \frac{7}{90} \end{aligned}$$

$$\begin{aligned} \frac{1}{8} + \frac{2}{3} \div \frac{5}{9} \\ = \frac{1}{8} + \frac{6}{5} \\ = \frac{53}{40} \\ = 1\frac{13}{40} \end{aligned}$$

$$\begin{aligned} \left( \frac{1}{6} + \frac{7}{8} \right) \div \frac{8}{9} \\ = \frac{25}{24} \div \frac{8}{9} \\ = \frac{75}{64} \\ = 1\frac{11}{64} \end{aligned}$$

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

$$\begin{aligned} \frac{3}{5} \div \left( \frac{5}{6} + \frac{4}{5} \right) \\ = \frac{3}{5} \div \frac{49}{30} \\ = \frac{18}{49} \end{aligned}$$

$$\begin{aligned} \frac{3}{5} \times \left( \frac{2}{5} - \frac{1}{6} \right) \\ = \frac{3}{5} \times \frac{7}{30} \\ = \frac{7}{50} \end{aligned}$$

$$\begin{aligned} \left( \frac{1}{2} - \frac{4}{9} \right) \div \frac{7}{9} \\ = \frac{1}{18} \div \frac{7}{9} \\ = \frac{1}{14} \end{aligned}$$