

# Order of Operations with Fractions (J)

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

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

Simplify each expression using the correct order of operations.

$$\frac{1}{8} + \frac{2}{5} \times \frac{3}{4}$$

$$\frac{2}{9} - \frac{1}{9} \times \frac{7}{8}$$

$$\left(\frac{1}{5} + \frac{1}{8}\right) \times \frac{4}{9}$$

$$\frac{3}{4} + \frac{1}{4} \times \frac{5}{9}$$

$$\frac{2}{3} \times \left(\frac{5}{8} + \frac{3}{4}\right)$$

$$\frac{1}{2} \div \frac{2}{5} - \frac{4}{5}$$

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

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

$$\frac{4}{5} \div \left(\frac{1}{6} + \frac{5}{8}\right)$$

# Order of Operations with Fractions (J)

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

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

Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{1}{8} + \frac{2}{5} \times \frac{3}{4} \\ = \frac{1}{8} + \frac{3}{10} \\ = \frac{17}{40} \end{aligned}$$

$$\begin{aligned} \frac{2}{9} - \frac{1}{9} \times \frac{7}{8} \\ = \frac{2}{9} - \frac{7}{72} \\ = \frac{1}{8} \end{aligned}$$

$$\begin{aligned} \left( \frac{1}{5} + \frac{1}{8} \right) \times \frac{4}{9} \\ = \frac{13}{40} \times \frac{4}{9} \\ = \frac{13}{90} \end{aligned}$$

$$\begin{aligned} \frac{3}{4} + \frac{1}{4} \times \frac{5}{9} \\ = \frac{3}{4} + \frac{5}{36} \\ = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} \frac{2}{3} \times \left( \frac{5}{8} + \frac{3}{4} \right) \\ = \frac{2}{3} \times \frac{11}{8} \\ = \frac{11}{12} \end{aligned}$$

$$\begin{aligned} \frac{1}{2} \div \frac{2}{5} - \frac{4}{5} \\ = \frac{5}{4} - \frac{4}{5} \\ = \frac{9}{20} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} \times \left( \frac{7}{8} + \frac{2}{9} \right) \\ = \frac{8}{9} \times \frac{79}{72} \\ = \frac{79}{81} \end{aligned}$$

$$\begin{aligned} \frac{3}{8} \div \frac{7}{9} + \frac{1}{4} \\ = \frac{27}{56} + \frac{1}{4} \\ = \frac{41}{56} \end{aligned}$$

$$\begin{aligned} \frac{4}{5} \div \left( \frac{1}{6} + \frac{5}{8} \right) \\ = \frac{4}{5} \div \frac{19}{24} \\ = \frac{96}{95} \\ = 1\frac{1}{95} \end{aligned}$$