

## Order of Operations with Fractions (B)

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

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

Simplify each expression using the correct order of operations.

$$\frac{1}{6} + \frac{3}{8} \times \frac{7}{9}$$

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

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

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

$$\frac{5}{6} \div \frac{3}{4} - \frac{1}{5}$$

$$\left( \frac{2}{9} + \frac{8}{9} \right) \times \frac{1}{6}$$

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

$$\left( \frac{1}{2} + \frac{2}{5} \right) \times \frac{7}{8}$$

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{1}{6} + \frac{3}{8} \times \frac{7}{9} \\ = \frac{1}{6} + \frac{7}{24} \\ = \frac{11}{24} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} \times \left( \frac{1}{3} + \frac{5}{9} \right) \\ = \frac{8}{9} \times \frac{8}{9} \\ = \frac{64}{81} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} \div \frac{4}{9} + \frac{3}{8} \\ = 2 + \frac{3}{8} \\ = \frac{19}{8} \\ = 2\frac{3}{8} \end{aligned}$$

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

$$\begin{aligned} \frac{5}{6} \div \frac{3}{4} - \frac{1}{5} \\ = \frac{10}{9} - \frac{1}{5} \\ = \frac{41}{45} \end{aligned}$$

$$\begin{aligned} \left( \frac{2}{9} + \frac{8}{9} \right) \times \frac{1}{6} \\ = \frac{10}{9} \times \frac{1}{6} \\ = \frac{5}{27} \end{aligned}$$

$$\begin{aligned} \frac{3}{8} + \frac{1}{2} \times \frac{1}{8} \\ = \frac{3}{8} + \frac{1}{16} \\ = \frac{7}{16} \end{aligned}$$

$$\begin{aligned} \left( \frac{1}{2} + \frac{2}{5} \right) \times \frac{7}{8} \\ = \frac{9}{10} \times \frac{7}{8} \\ = \frac{63}{80} \end{aligned}$$

$$\begin{aligned} \frac{2}{3} \div \frac{8}{9} + \frac{5}{9} \\ = \frac{3}{4} + \frac{5}{9} \\ = \frac{47}{36} \\ = 1\frac{11}{36} \end{aligned}$$