

Order of Operations with Fractions (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{1}{4} \times \frac{5}{6} - \frac{1}{6}$$

$$\frac{3}{5} \div \frac{5}{6} + \frac{1}{5}$$

$$\left(\frac{2}{5} + \frac{8}{9}\right) \times \frac{1}{2}$$

$$\frac{7}{9} + \frac{4}{5} \times \frac{4}{9}$$

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

$$\frac{3}{5} \times \left(\frac{1}{2} + \frac{2}{9}\right)$$

$$\left(\frac{5}{6} + \frac{2}{5}\right) \div \frac{3}{4}$$

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

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

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Simplify each expression using the correct order of operations.

$$\begin{aligned} & \frac{1}{4} \times \frac{5}{6} - \frac{1}{6} \\ &= \frac{5}{24} - \frac{1}{6} \\ &= \frac{1}{24} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} \div \frac{5}{6} + \frac{1}{5} \\ &= \frac{18}{25} + \frac{1}{5} \\ &= \frac{23}{25} \end{aligned}$$

$$\begin{aligned} & \left(\frac{2}{5} + \frac{8}{9} \right) \times \frac{1}{2} \\ &= \frac{58}{45} \times \frac{1}{2} \\ &= \frac{29}{45} \end{aligned}$$

$$\begin{aligned} & \frac{7}{9} + \frac{4}{5} \times \frac{4}{9} \\ &= \frac{7}{9} + \frac{16}{45} \\ &= \frac{17}{15} \\ &= 1\frac{2}{15} \end{aligned}$$

$$\begin{aligned} & \frac{4}{5} - \frac{3}{5} \div \frac{5}{6} \\ &= \frac{4}{5} - \frac{18}{25} \\ &= \frac{2}{25} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} \times \left(\frac{1}{2} + \frac{2}{9} \right) \\ &= \frac{3}{5} \times \frac{13}{18} \\ &= \frac{13}{30} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{6} + \frac{2}{5} \right) \div \frac{3}{4} \\ &= \frac{37}{30} \div \frac{3}{4} \\ &= \frac{74}{45} \\ &= 1\frac{29}{45} \end{aligned}$$

$$\begin{aligned} & \frac{5}{8} \times \frac{2}{9} + \frac{1}{2} \\ &= \frac{5}{36} + \frac{1}{2} \\ &= \frac{23}{36} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} + \frac{3}{4} \div \frac{1}{6} \\ &= \frac{3}{5} + \frac{9}{2} \\ &= \frac{51}{10} \\ &= 5\frac{1}{10} \end{aligned}$$