

Order of Operations with Fractions (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\frac{7}{8} \times \left(\frac{2}{9} + \frac{5}{9} \right)$$

$$\frac{5}{9} + \frac{4}{5} \div \frac{2}{5}$$

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

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

$$\frac{5}{8} + \frac{7}{8} \times \frac{4}{5}$$

$$\frac{7}{9} \div \frac{2}{5} + \frac{8}{9}$$

$$\frac{3}{5} + \frac{1}{2} \times \frac{7}{9}$$

$$\frac{3}{4} \div \left(\frac{7}{8} - \frac{3}{5} \right)$$

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$$\begin{aligned} & \frac{3}{4} \div \frac{1}{3} + \frac{3}{5} \\ &= \frac{9}{4} + \frac{3}{5} \\ &= \frac{57}{20} \\ &= 2\frac{17}{20} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} \times \left(\frac{2}{9} + \frac{5}{9} \right) \\ &= \frac{7}{8} \times \frac{7}{9} \\ &= \frac{49}{72} \end{aligned}$$

$$\begin{aligned} & \frac{5}{9} + \frac{4}{5} \div \frac{2}{5} \\ &= \frac{5}{9} + 2 \\ &= \frac{23}{9} \\ &= 2\frac{5}{9} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \times \left(\frac{2}{3} + \frac{3}{5} \right) \\ &= \frac{3}{4} \times \frac{19}{15} \\ &= \frac{19}{20} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{9} + \frac{1}{2} \right) \times \frac{3}{5} \\ &= \frac{11}{18} \times \frac{3}{5} \\ &= \frac{11}{30} \end{aligned}$$

$$\begin{aligned} & \frac{5}{8} + \frac{7}{8} \times \frac{4}{5} \\ &= \frac{5}{8} + \frac{7}{10} \\ &= \frac{53}{40} \\ &= 1\frac{13}{40} \end{aligned}$$

$$\begin{aligned} & \frac{7}{9} \div \frac{2}{5} + \frac{8}{9} \\ &= \frac{35}{18} + \frac{8}{9} \\ &= \frac{17}{6} \\ &= 2\frac{5}{6} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} + \frac{1}{2} \times \frac{7}{9} \\ &= \frac{3}{5} + \frac{7}{18} \\ &= \frac{89}{90} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \div \left(\frac{7}{8} - \frac{3}{5} \right) \\ &= \frac{3}{4} \div \frac{11}{40} \\ &= \frac{30}{11} \\ &= 2\frac{8}{11} \end{aligned}$$