

Order of Operations with Fractions (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\left(\frac{7}{9} + \frac{3}{5}\right) \div \frac{2}{3}$$

$$\frac{3}{4} \div \left(\frac{3}{8} - \frac{2}{9}\right)$$

$$\frac{5}{9} - \frac{1}{9} \div \frac{7}{9}$$

$$\frac{2}{3} \div \frac{4}{9} - \frac{1}{6}$$

$$\frac{4}{9} \div \left(\frac{3}{4}\right)^2$$

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

$$\frac{3}{4} \div \left(\frac{1}{5}\right)^2$$

$$\frac{4}{9} \div \left(\frac{1}{2} + \frac{2}{3}\right)$$

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

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$$\begin{aligned} & \left(\frac{7}{9} + \frac{3}{5} \right) \div \frac{2}{3} \\ &= \frac{62}{45} \div \frac{2}{3} \\ &= \frac{31}{15} \\ &= 2\frac{1}{15} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \div \left(\frac{3}{8} - \frac{2}{9} \right) \\ &= \frac{3}{4} \div \frac{11}{72} \\ &= \frac{54}{11} \\ &= 4\frac{10}{11} \end{aligned}$$

$$\begin{aligned} & \frac{5}{9} - \frac{1}{9} \div \frac{7}{9} \\ &= \frac{5}{9} - \frac{1}{7} \\ &= \frac{26}{63} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} \div \frac{4}{9} - \frac{1}{6} \\ &= \frac{3}{2} - \frac{1}{6} \\ &= \frac{4}{3} \\ &= 1\frac{1}{3} \end{aligned}$$

$$\begin{aligned} & \frac{4}{9} \div \left(\frac{3}{4} \right)^2 \\ &= \frac{4}{9} \div \frac{9}{16} \\ &= \frac{64}{81} \end{aligned}$$

$$\begin{aligned} & \frac{5}{8} \div \left(\frac{5}{9} + \frac{1}{9} \right) \\ &= \frac{5}{8} \div \frac{2}{3} \\ &= \frac{15}{16} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \div \left(\frac{1}{5} \right)^2 \\ &= \frac{3}{4} \div \frac{1}{25} \\ &= \frac{75}{4} \\ &= 18\frac{3}{4} \end{aligned}$$

$$\begin{aligned} & \frac{4}{9} \div \left(\frac{1}{2} + \frac{2}{3} \right) \\ &= \frac{4}{9} \div \frac{7}{6} \\ &= \frac{8}{21} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} + \frac{2}{9} \div \frac{3}{5} \\ &= \frac{1}{3} + \frac{10}{27} \\ &= \frac{19}{27} \end{aligned}$$