

Order of Operations with Fractions (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\left(\frac{1}{2}\right)^3 + \frac{2}{3}$$

$$\frac{1}{2} \times \frac{4}{9} + \frac{2}{5}$$

$$\frac{3}{4} \times \frac{1}{6} + \frac{5}{8}$$

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

$$\frac{2}{3} + \frac{1}{8} \times \frac{1}{9}$$

$$\frac{3}{5} \times \left(\frac{1}{5} + \frac{4}{5}\right)$$

$$\frac{1}{8} \div \frac{1}{5} + \frac{1}{2}$$

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

$$\frac{1}{6} - \frac{1}{9} \times \frac{5}{8}$$

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$$\begin{aligned} & \left(\frac{1}{2}\right)^3 + \frac{2}{3} \\ &= \frac{1}{8} + \frac{2}{3} \\ &= \frac{19}{24} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} \times \frac{4}{9} + \frac{2}{5} \\ &= \frac{2}{9} + \frac{2}{5} \\ &= \frac{28}{45} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \times \frac{1}{6} + \frac{5}{8} \\ &= \frac{1}{8} + \frac{5}{8} \\ &= \frac{3}{4} \end{aligned}$$

$$\begin{aligned} & \frac{1}{5} \div \left(\frac{1}{4}\right)^2 \\ &= \frac{1}{5} \div \frac{1}{16} \\ &= \frac{16}{5} \\ &= 3\frac{1}{5} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} + \frac{1}{8} \times \frac{1}{9} \\ &= \frac{2}{3} + \frac{1}{72} \\ &= \frac{49}{72} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} \times \left(\frac{1}{5} + \frac{4}{5}\right) \\ &= \frac{3}{5} \times 1 \\ &= \frac{3}{5} \end{aligned}$$

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

$$\begin{aligned} & \left(\frac{1}{2} + \frac{3}{5}\right) \div \frac{2}{9} \\ &= \frac{11}{10} \div \frac{2}{9} \\ &= \frac{99}{20} \\ &= 4\frac{19}{20} \end{aligned}$$

$$\begin{aligned} & \frac{1}{6} - \frac{1}{9} \times \frac{5}{8} \\ &= \frac{1}{6} - \frac{5}{72} \\ &= \frac{7}{72} \end{aligned}$$