

Order of Operations with Fractions (A)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

Order of Operations with Fractions (A)

Name: _____

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Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

Order of Operations with Fractions (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

$$\frac{3}{4} \div \left(\frac{7}{9} - \frac{1}{3} \right)$$

$$\frac{8}{9} \div \frac{1}{9} + \frac{1}{2}$$

$$\frac{1}{2} + \frac{3}{8} \times \frac{4}{5}$$

$$\frac{5}{9} \div \frac{5}{8} + \frac{1}{3}$$

$$\frac{1}{8} \div \left(\frac{1}{2} + \frac{4}{9} \right)$$

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

$$\frac{3}{5} \times \left(\frac{1}{4} + \frac{7}{9} \right)$$

Order of Operations with Fractions (B)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \frac{1}{8} \div \left(\frac{5}{8} + \frac{5}{9} \right) \\ &= \frac{1}{8} \div \frac{85}{72} \\ &= \frac{9}{85} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} \div \left(\frac{4}{5} + \frac{1}{4} \right) \\ &= \frac{1}{3} \div \frac{21}{20} \\ &= \frac{20}{63} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \div \left(\frac{7}{9} - \frac{1}{3} \right) \\ &= \frac{3}{4} \div \frac{4}{9} \\ &= \frac{27}{16} \\ &= 1\frac{11}{16} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} \div \frac{1}{9} + \frac{1}{2} \\ &= 8 + \frac{1}{2} \\ &= \frac{17}{2} \\ &= 8\frac{1}{2} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} + \frac{3}{8} \times \frac{4}{5} \\ &= \frac{1}{2} + \frac{3}{10} \\ &= \frac{4}{5} \end{aligned}$$

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

$$\begin{aligned} & \frac{1}{8} \div \left(\frac{1}{2} + \frac{4}{9} \right) \\ &= \frac{1}{8} \div \frac{17}{18} \\ &= \frac{9}{68} \end{aligned}$$

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

$$\begin{aligned} & \frac{3}{5} \times \left(\frac{1}{4} + \frac{7}{9} \right) \\ &= \frac{3}{5} \times \frac{37}{36} \\ &= \frac{37}{60} \end{aligned}$$

Order of Operations with Fractions (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{3}{8} \times \left(\frac{1}{6} + \frac{5}{8} \right)$$

$$\frac{7}{9} - \frac{1}{4} \times \frac{4}{5}$$

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

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

$$\frac{2}{5} \div \left(\frac{1}{9} + \frac{1}{6} \right)$$

$$\left(\frac{3}{4} - \frac{1}{4} \right) \times \frac{5}{9}$$

$$\frac{1}{6} \times \left(\frac{1}{2} + \frac{1}{5} \right)$$

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

$$\frac{8}{9} + \frac{2}{5} \div \frac{3}{4}$$

Order of Operations with Fractions (C)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{3}{8} \times \left(\frac{1}{6} + \frac{5}{8} \right) \\ = \frac{3}{8} \times \frac{19}{24} \\ = \frac{19}{64} \end{aligned}$$

$$\begin{aligned} \frac{7}{9} - \frac{1}{4} \times \frac{4}{5} \\ = \frac{7}{9} - \frac{1}{5} \\ = \frac{26}{45} \end{aligned}$$

$$\begin{aligned} \frac{2}{5} \div \left(\frac{1}{3} + \frac{2}{3} \right) \\ = \frac{2}{5} \div 1 \\ = \frac{2}{5} \end{aligned}$$

$$\begin{aligned} \frac{1}{2} \div \frac{1}{8} - \frac{2}{5} \\ = 4 - \frac{2}{5} \\ = \frac{18}{5} \\ = 3\frac{3}{5} \end{aligned}$$

$$\begin{aligned} \frac{2}{5} \div \left(\frac{1}{9} + \frac{1}{6} \right) \\ = \frac{2}{5} \div \frac{5}{18} \\ = \frac{36}{25} \\ = 1\frac{11}{25} \end{aligned}$$

$$\begin{aligned} \left(\frac{3}{4} - \frac{1}{4} \right) \times \frac{5}{9} \\ = \frac{1}{2} \times \frac{5}{9} \\ = \frac{5}{18} \end{aligned}$$

$$\begin{aligned} \frac{1}{6} \times \left(\frac{1}{2} + \frac{1}{5} \right) \\ = \frac{1}{6} \times \frac{7}{10} \\ = \frac{7}{60} \end{aligned}$$

$$\begin{aligned} \left(\frac{1}{3} + \frac{3}{4} \right) \div \frac{1}{5} \\ = \frac{13}{12} \div \frac{1}{5} \\ = \frac{65}{12} \\ = 5\frac{5}{12} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} + \frac{2}{5} \div \frac{3}{4} \\ = \frac{8}{9} + \frac{8}{15} \\ = \frac{64}{45} \\ = 1\frac{19}{45} \end{aligned}$$

Order of Operations with Fractions (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

Order of Operations with Fractions (D)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

Order of Operations with Fractions (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\frac{5}{8} \div \frac{7}{9} + \frac{3}{4}$$

$$\frac{2}{3} + \frac{5}{6} \div \frac{5}{9}$$

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

$$\frac{5}{9} \div \left(\frac{4}{9} + \frac{1}{6} \right)$$

$$\left(\frac{5}{8} - \frac{2}{5} \right) \div \frac{3}{5}$$

$$\left(\frac{1}{6} - \frac{1}{9} \right) \div \frac{5}{6}$$

$$\left(\frac{7}{8} + \frac{1}{9} \right) \div \frac{1}{2}$$

$$\frac{4}{9} \div \frac{5}{8} + \frac{2}{5}$$

Order of Operations with Fractions (E)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{2}{5} \times \left(\frac{2}{9} - \frac{1}{9} \right) \\ = \frac{2}{5} \times \frac{1}{9} \\ = \frac{2}{45} \end{aligned}$$

$$\begin{aligned} \frac{5}{8} \div \frac{7}{9} + \frac{3}{4} \\ = \frac{45}{56} + \frac{3}{4} \\ = \frac{87}{56} \\ = 1 \frac{31}{56} \end{aligned}$$

$$\begin{aligned} \frac{2}{3} + \frac{5}{6} \div \frac{5}{9} \\ = \frac{2}{3} + \frac{3}{2} \\ = \frac{13}{6} \\ = 2 \frac{1}{6} \end{aligned}$$

$$\begin{aligned} \frac{5}{9} + \frac{2}{9} \times \frac{1}{2} \\ = \frac{5}{9} + \frac{1}{9} \\ = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \frac{5}{9} \div \left(\frac{4}{9} + \frac{1}{6} \right) \\ = \frac{5}{9} \div \frac{11}{18} \\ = \frac{10}{11} \end{aligned}$$

$$\begin{aligned} \left(\frac{5}{8} - \frac{2}{5} \right) \div \frac{3}{5} \\ = \frac{9}{40} \div \frac{3}{5} \\ = \frac{3}{8} \end{aligned}$$

$$\begin{aligned} \left(\frac{1}{6} - \frac{1}{9} \right) \div \frac{5}{6} \\ = \frac{1}{18} \div \frac{5}{6} \\ = \frac{1}{15} \end{aligned}$$

$$\begin{aligned} \left(\frac{7}{8} + \frac{1}{9} \right) \div \frac{1}{2} \\ = \frac{71}{72} \div \frac{1}{2} \\ = \frac{71}{36} \\ = 1 \frac{35}{36} \end{aligned}$$

$$\begin{aligned} \frac{4}{9} \div \frac{5}{8} + \frac{2}{5} \\ = \frac{32}{45} + \frac{2}{5} \\ = \frac{10}{9} \\ = 1 \frac{1}{9} \end{aligned}$$

Order of Operations with Fractions (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{1}{6} \div \left(\frac{5}{9} + \frac{3}{8} \right)$$

$$\frac{3}{5} \div \left(\frac{7}{9} - \frac{4}{9} \right)$$

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

$$\frac{1}{8} + \frac{2}{3} \div \frac{5}{9}$$

$$\left(\frac{1}{6} + \frac{7}{8} \right) \div \frac{8}{9}$$

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

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

$$\frac{3}{5} \times \left(\frac{2}{5} - \frac{1}{6} \right)$$

$$\left(\frac{1}{2} - \frac{4}{9} \right) \div \frac{7}{9}$$

Order of Operations with Fractions (F)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{1}{6} \div \left(\frac{5}{9} + \frac{3}{8} \right) \\ = \frac{1}{6} \div \frac{67}{72} \\ = \frac{12}{67} \end{aligned}$$

$$\begin{aligned} \frac{3}{5} \div \left(\frac{7}{9} - \frac{4}{9} \right) \\ = \frac{3}{5} \div \frac{1}{3} \\ = \frac{9}{5} \\ = 1\frac{4}{5} \end{aligned}$$

$$\begin{aligned} \left(\frac{5}{9} - \frac{2}{5} \right) \times \frac{1}{2} \\ = \frac{7}{45} \times \frac{1}{2} \\ = \frac{7}{90} \end{aligned}$$

$$\begin{aligned} \frac{1}{8} + \frac{2}{3} \div \frac{5}{9} \\ = \frac{1}{8} + \frac{6}{5} \\ = \frac{53}{40} \\ = 1\frac{13}{40} \end{aligned}$$

$$\begin{aligned} \left(\frac{1}{6} + \frac{7}{8} \right) \div \frac{8}{9} \\ = \frac{25}{24} \div \frac{8}{9} \\ = \frac{75}{64} \\ = 1\frac{11}{64} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} \times \frac{5}{8} - \frac{1}{2} \\ = \frac{5}{9} - \frac{1}{2} \\ = \frac{1}{18} \end{aligned}$$

$$\begin{aligned} \frac{3}{5} \div \left(\frac{5}{6} + \frac{4}{5} \right) \\ = \frac{3}{5} \div \frac{49}{30} \\ = \frac{18}{49} \end{aligned}$$

$$\begin{aligned} \frac{3}{5} \times \left(\frac{2}{5} - \frac{1}{6} \right) \\ = \frac{3}{5} \times \frac{7}{30} \\ = \frac{7}{50} \end{aligned}$$

$$\begin{aligned} \left(\frac{1}{2} - \frac{4}{9} \right) \div \frac{7}{9} \\ = \frac{1}{18} \div \frac{7}{9} \\ = \frac{1}{14} \end{aligned}$$

Order of Operations with Fractions (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

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

$$\frac{1}{5} \times \left(\frac{7}{9} + \frac{5}{9} \right)$$

$$\frac{2}{3} \div \frac{7}{8} - \frac{1}{2}$$

$$\frac{1}{2} \div \frac{1}{5} - \frac{3}{5}$$

$$\left(\frac{5}{9} - \frac{1}{9} \right) \times \frac{4}{9}$$

$$\frac{1}{6} + \frac{1}{9} \div \frac{7}{9}$$

$$\left(\frac{3}{8} + \frac{5}{8} \right) \div \frac{5}{6}$$

$$\frac{3}{8} + \frac{1}{8} \div \frac{5}{6}$$

$$\frac{4}{9} \times \frac{1}{5} + \frac{1}{3}$$

Order of Operations with Fractions (G)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \frac{5}{8} \times \frac{8}{9} + \frac{1}{2} \\ &= \frac{5}{9} + \frac{1}{2} \\ &= \frac{19}{18} \\ &= 1\frac{1}{18} \end{aligned}$$

$$\begin{aligned} & \frac{1}{5} \times \left(\frac{7}{9} + \frac{5}{9} \right) \\ &= \frac{1}{5} \times \frac{4}{3} \\ &= \frac{4}{15} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} \div \frac{7}{8} - \frac{1}{2} \\ &= \frac{16}{21} - \frac{1}{2} \\ &= \frac{11}{42} \end{aligned}$$

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

$$\begin{aligned} & \left(\frac{5}{9} - \frac{1}{9} \right) \times \frac{4}{9} \\ &= \frac{4}{9} \times \frac{4}{9} \\ &= \frac{16}{81} \end{aligned}$$

$$\begin{aligned} & \frac{1}{6} + \frac{1}{9} \div \frac{7}{9} \\ &= \frac{1}{6} + \frac{1}{7} \\ &= \frac{13}{42} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{8} + \frac{5}{8} \right) \div \frac{5}{6} \\ &= 1 \div \frac{5}{6} \\ &= \frac{6}{5} \\ &= 1\frac{1}{5} \end{aligned}$$

$$\begin{aligned} & \frac{3}{8} + \frac{1}{8} \div \frac{5}{6} \\ &= \frac{3}{8} + \frac{3}{20} \\ &= \frac{21}{40} \end{aligned}$$

$$\begin{aligned} & \frac{4}{9} \times \frac{1}{5} + \frac{1}{3} \\ &= \frac{4}{45} + \frac{1}{3} \\ &= \frac{19}{45} \end{aligned}$$

Order of Operations with Fractions (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{1}{2} - \frac{1}{3} \times \frac{1}{4}$$

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

$$\frac{1}{6} + \frac{4}{5} \times \frac{7}{9}$$

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

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

$$\frac{5}{9} \div \frac{5}{6} + \frac{4}{9}$$

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

$$\frac{4}{5} \times \left(\frac{1}{2} - \frac{4}{9} \right)$$

$$\frac{7}{8} + \frac{5}{6} \times \frac{2}{5}$$

Order of Operations with Fractions (H)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \frac{1}{2} - \frac{1}{3} \times \frac{1}{4} \\ &= \frac{1}{2} - \frac{1}{12} \\ &= \frac{5}{12} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} \times \frac{1}{2} + \frac{1}{8} \\ &= \frac{1}{6} + \frac{1}{8} \\ &= \frac{7}{24} \end{aligned}$$

$$\begin{aligned} & \frac{1}{6} + \frac{4}{5} \times \frac{7}{9} \\ &= \frac{1}{6} + \frac{28}{45} \\ &= \frac{71}{90} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} \div \left(\frac{2}{5} - \frac{1}{3} \right) \\ &= \frac{1}{2} \div \frac{1}{15} \\ &= \frac{15}{2} \\ &= 7\frac{1}{2} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{3} - \frac{1}{4} \right) \div \frac{4}{5} \\ &= \frac{1}{12} \div \frac{4}{5} \\ &= \frac{5}{48} \end{aligned}$$

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

$$\begin{aligned} & \frac{1}{9} \times \left(\frac{1}{2} - \frac{1}{5} \right) \\ &= \frac{1}{9} \times \frac{3}{10} \\ &= \frac{1}{30} \end{aligned}$$

$$\begin{aligned} & \frac{4}{5} \times \left(\frac{1}{2} - \frac{4}{9} \right) \\ &= \frac{4}{5} \times \frac{1}{18} \\ &= \frac{2}{45} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} + \frac{5}{6} \times \frac{2}{5} \\ &= \frac{7}{8} + \frac{1}{3} \\ &= \frac{29}{24} \\ &= 1\frac{5}{24} \end{aligned}$$

Order of Operations with Fractions (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{2}{3} \div \frac{1}{6} + \frac{1}{4}$$

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

$$\frac{7}{8} \div \left(\frac{8}{9} + \frac{1}{8} \right)$$

$$\frac{3}{4} + \frac{1}{2} \div \frac{7}{8}$$

$$\frac{3}{8} \times \left(\frac{1}{2} + \frac{5}{8} \right)$$

$$\frac{4}{9} \div \frac{1}{3} + \frac{3}{5}$$

$$\frac{3}{5} \times \left(\frac{1}{6} + \frac{1}{3} \right)$$

$$\frac{7}{9} \div \frac{2}{9} - \frac{2}{3}$$

$$\left(\frac{3}{5} + \frac{1}{6} \right) \div \frac{4}{9}$$

Order of Operations with Fractions (I)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \frac{2}{3} \div \frac{1}{6} + \frac{1}{4} \\ &= 4 + \frac{1}{4} \\ &= \frac{17}{4} \\ &= 4\frac{1}{4} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} \div \frac{5}{9} + \frac{2}{3} \\ &= \frac{8}{5} + \frac{2}{3} \\ &= \frac{34}{15} \\ &= 2\frac{4}{15} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} \div \left(\frac{8}{9} + \frac{1}{8} \right) \\ &= \frac{7}{8} \div \frac{73}{72} \\ &= \frac{63}{73} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} + \frac{1}{2} \div \frac{7}{8} \\ &= \frac{3}{4} + \frac{4}{7} \\ &= \frac{37}{28} \\ &= 1\frac{9}{28} \end{aligned}$$

$$\begin{aligned} & \frac{3}{8} \times \left(\frac{1}{2} + \frac{5}{8} \right) \\ &= \frac{3}{8} \times \frac{9}{8} \\ &= \frac{27}{64} \end{aligned}$$

$$\begin{aligned} & \frac{4}{9} \div \frac{1}{3} + \frac{3}{5} \\ &= \frac{4}{3} + \frac{3}{5} \\ &= \frac{29}{15} \\ &= 1\frac{14}{15} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} \times \left(\frac{1}{6} + \frac{1}{3} \right) \\ &= \frac{3}{5} \times \frac{1}{2} \\ &= \frac{3}{10} \end{aligned}$$

$$\begin{aligned} & \frac{7}{9} \div \frac{2}{9} - \frac{2}{3} \\ &= \frac{7}{2} - \frac{2}{3} \\ &= \frac{17}{6} \\ &= 2\frac{5}{6} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{5} + \frac{1}{6} \right) \div \frac{4}{9} \\ &= \frac{23}{30} \div \frac{4}{9} \\ &= \frac{69}{40} \\ &= 1\frac{29}{40} \end{aligned}$$

Order of Operations with Fractions (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\frac{1}{8} + \frac{2}{5} \times \frac{3}{4}$$

$$\frac{2}{9} - \frac{1}{9} \times \frac{7}{8}$$

$$\left(\frac{1}{5} + \frac{1}{8}\right) \times \frac{4}{9}$$

$$\frac{3}{4} + \frac{1}{4} \times \frac{5}{9}$$

$$\frac{2}{3} \times \left(\frac{5}{8} + \frac{3}{4}\right)$$

$$\frac{1}{2} \div \frac{2}{5} - \frac{4}{5}$$

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

$$\frac{3}{8} \div \frac{7}{9} + \frac{1}{4}$$

$$\frac{4}{5} \div \left(\frac{1}{6} + \frac{5}{8}\right)$$

Order of Operations with Fractions (J)

Name: _____

Date: _____

Simplify each expression using the correct order of operations.

$$\begin{aligned} \frac{1}{8} + \frac{2}{5} \times \frac{3}{4} \\ = \frac{1}{8} + \frac{3}{10} \\ = \frac{17}{40} \end{aligned}$$

$$\begin{aligned} \frac{2}{9} - \frac{1}{9} \times \frac{7}{8} \\ = \frac{2}{9} - \frac{7}{72} \\ = \frac{1}{8} \end{aligned}$$

$$\begin{aligned} \left(\frac{1}{5} + \frac{1}{8} \right) \times \frac{4}{9} \\ = \frac{13}{40} \times \frac{4}{9} \\ = \frac{13}{90} \end{aligned}$$

$$\begin{aligned} \frac{3}{4} + \frac{1}{4} \times \frac{5}{9} \\ = \frac{3}{4} + \frac{5}{36} \\ = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} \frac{2}{3} \times \left(\frac{5}{8} + \frac{3}{4} \right) \\ = \frac{2}{3} \times \frac{11}{8} \\ = \frac{11}{12} \end{aligned}$$

$$\begin{aligned} \frac{1}{2} \div \frac{2}{5} - \frac{4}{5} \\ = \frac{5}{4} - \frac{4}{5} \\ = \frac{9}{20} \end{aligned}$$

$$\begin{aligned} \frac{8}{9} \times \left(\frac{7}{8} + \frac{2}{9} \right) \\ = \frac{8}{9} \times \frac{79}{72} \\ = \frac{79}{81} \end{aligned}$$

$$\begin{aligned} \frac{3}{8} \div \frac{7}{9} + \frac{1}{4} \\ = \frac{27}{56} + \frac{1}{4} \\ = \frac{41}{56} \end{aligned}$$

$$\begin{aligned} \frac{4}{5} \div \left(\frac{1}{6} + \frac{5}{8} \right) \\ = \frac{4}{5} \div \frac{19}{24} \\ = \frac{96}{95} \\ = 1\frac{1}{95} \end{aligned}$$