

# Order of Operations with Fractions (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

# Order of Operations with Fractions (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

## Order of Operations with Fractions (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\frac{1}{6} + \frac{3}{8} \times \frac{7}{9}$$

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

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

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

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

$$\left( \frac{2}{9} + \frac{8}{9} \right) \times \frac{1}{6}$$

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

$$\left( \frac{1}{2} + \frac{2}{5} \right) \times \frac{7}{8}$$

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

## Order of Operations with Fractions (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}\frac{1}{6} + \frac{3}{8} \times \frac{7}{9} \\&= \frac{1}{6} + \frac{7}{24} \\&= \frac{11}{24}\end{aligned}$$

$$\begin{aligned}\frac{8}{9} \times \left( \frac{1}{3} + \frac{5}{9} \right) \\&= \frac{8}{9} \times \frac{8}{9} \\&= \frac{64}{81}\end{aligned}$$

$$\begin{aligned}\frac{8}{9} \div \frac{4}{9} + \frac{3}{8} \\&= 2 + \frac{3}{8} \\&= \frac{19}{8} \\&= 2\frac{3}{8}\end{aligned}$$

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

$$\begin{aligned}\frac{5}{6} \div \frac{3}{4} - \frac{1}{5} \\&= \frac{10}{9} - \frac{1}{5} \\&= \frac{41}{45}\end{aligned}$$

$$\begin{aligned}\left( \frac{2}{9} + \frac{8}{9} \right) \times \frac{1}{6} \\&= \frac{10}{9} \times \frac{1}{6} \\&= \frac{5}{27}\end{aligned}$$

$$\begin{aligned}\frac{3}{8} + \frac{1}{2} \times \frac{1}{8} \\&= \frac{3}{8} + \frac{1}{16} \\&= \frac{7}{16}\end{aligned}$$

$$\begin{aligned}\left( \frac{1}{2} + \frac{2}{5} \right) \times \frac{7}{8} \\&= \frac{9}{10} \times \frac{7}{8} \\&= \frac{63}{80}\end{aligned}$$

$$\begin{aligned}\frac{2}{3} \div \frac{8}{9} + \frac{5}{9} \\&= \frac{3}{4} + \frac{5}{9} \\&= \frac{47}{36} \\&= 1\frac{11}{36}\end{aligned}$$

## Order of Operations with Fractions (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

$$\frac{7}{8} - \left(\frac{5}{6}\right)^2$$

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

$$\frac{8}{9} - \frac{7}{9} \times \frac{5}{8}$$

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

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

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

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

## Order of Operations with Fractions (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}\frac{2}{9} + \left(\frac{1}{6}\right)^2 \\&= \frac{2}{9} + \frac{1}{36} \\&= \frac{1}{4}\end{aligned}$$

$$\begin{aligned}\left(\frac{1}{4} + \frac{1}{6}\right) \div \frac{5}{9} \\&= \frac{5}{12} \div \frac{5}{9} \\&= \frac{3}{4}\end{aligned}$$

$$\begin{aligned}\frac{7}{8} - \left(\frac{5}{6}\right)^2 \\&= \frac{7}{8} - \frac{25}{36} \\&= \frac{13}{72}\end{aligned}$$

$$\begin{aligned}\frac{5}{6} \times \left(\frac{1}{5}\right)^2 \\&= \frac{5}{6} \times \frac{1}{25} \\&= \frac{1}{30}\end{aligned}$$

$$\begin{aligned}\frac{8}{9} - \frac{7}{9} \times \frac{5}{8} \\&= \frac{8}{9} - \frac{35}{72} \\&= \frac{29}{72}\end{aligned}$$

$$\begin{aligned}\left(\frac{1}{2}\right)^2 \div \frac{8}{9} \\&= \frac{1}{4} \div \frac{8}{9} \\&= \frac{9}{32}\end{aligned}$$

$$\begin{aligned}\frac{3}{8} \div \left(\frac{5}{8} - \frac{3}{5}\right) \\&= \frac{3}{8} \div \frac{1}{40} \\&= 15\end{aligned}$$

$$\begin{aligned}\frac{3}{4} - \frac{1}{8} \div \frac{7}{9} \\&= \frac{3}{4} - \frac{9}{56} \\&= \frac{33}{56}\end{aligned}$$

$$\begin{aligned}\left(\frac{5}{9} + \frac{1}{8}\right) \div \frac{5}{8} \\&= \frac{49}{72} \div \frac{5}{8} \\&= \frac{49}{45} \\&= 1\frac{4}{45}\end{aligned}$$

## Order of Operations with Fractions (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

$$\frac{3}{4} \times \left(\frac{8}{9}\right)^2$$

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

$$\frac{2}{3} \times \frac{7}{9} + \frac{5}{6}$$

## Order of Operations with Fractions (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \frac{3}{4} + \frac{2}{3} \right) \times \frac{5}{8} \\ &= \frac{17}{12} \times \frac{5}{8} \\ &= \frac{85}{96} \end{aligned}$$

$$\begin{aligned} & \left( \frac{1}{4} \right)^2 \times \frac{1}{5} \\ &= \frac{1}{16} \times \frac{1}{5} \\ &= \frac{1}{80} \end{aligned}$$

$$\begin{aligned} & \frac{1}{8} + \left( \frac{5}{8} \right)^2 \\ &= \frac{1}{8} + \frac{25}{64} \\ &= \frac{33}{64} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} + \frac{1}{4} \div \frac{1}{2} \\ &= \frac{2}{3} + \frac{1}{2} \\ &= \frac{7}{6} \\ &= 1\frac{1}{6} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} \times \left( \frac{1}{5} \right)^2 \\ &= \frac{1}{2} \times \frac{1}{25} \\ &= \frac{1}{50} \end{aligned}$$

$$\begin{aligned} & \frac{5}{6} \times \left( \frac{1}{6} + \frac{3}{4} \right) \\ &= \frac{5}{6} \times \frac{11}{12} \\ &= \frac{55}{72} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \times \left( \frac{8}{9} \right)^2 \\ &= \frac{3}{4} \times \frac{64}{81} \\ &= \frac{16}{27} \end{aligned}$$

$$\begin{aligned} & \left( \frac{2}{5} + \frac{1}{4} \right) \div \frac{1}{2} \\ &= \frac{13}{20} \div \frac{1}{2} \\ &= \frac{13}{10} \\ &= 1\frac{3}{10} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} \times \frac{7}{9} + \frac{5}{6} \\ &= \frac{14}{27} + \frac{5}{6} \\ &= \frac{73}{54} \\ &= 1\frac{19}{54} \end{aligned}$$



## Order of Operations with Fractions (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

$$\frac{2}{3} \times \left( \frac{7}{9} + \frac{1}{9} \right)$$

$$\frac{7}{9} \div \left( \frac{2}{9} \right)^2$$

$$\frac{1}{3} - \frac{2}{5} \times \frac{1}{4}$$

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

$$\frac{2}{3} \times \frac{5}{8} - \frac{1}{6}$$

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

# Order of Operations with Fractions (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}\frac{1}{3} \div \left( \frac{3}{8} + \frac{5}{9} \right) \\&= \frac{1}{3} \div \frac{67}{72} \\&= \frac{24}{67}\end{aligned}$$

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

$$\begin{aligned}\left( \frac{3}{4} \right)^2 - \frac{2}{5} \\&= \frac{9}{16} - \frac{2}{5} \\&= \frac{13}{80}\end{aligned}$$

$$\begin{aligned}\frac{2}{3} \times \left( \frac{7}{9} + \frac{1}{9} \right) \\&= \frac{2}{3} \times \frac{8}{9} \\&= \frac{16}{27}\end{aligned}$$

$$\begin{aligned}\frac{7}{9} \div \left( \frac{2}{9} \right)^2 \\&= \frac{7}{9} \div \frac{4}{81} \\&= \frac{63}{4} \\&= 15\frac{3}{4}\end{aligned}$$

$$\begin{aligned}\frac{1}{3} - \frac{2}{5} \times \frac{1}{4} \\&= \frac{1}{3} - \frac{1}{10} \\&= \frac{7}{30}\end{aligned}$$

$$\begin{aligned}\frac{7}{9} \div \left( \frac{3}{5} - \frac{1}{4} \right) \\&= \frac{7}{9} \div \frac{7}{20} \\&= \frac{20}{9} \\&= 2\frac{2}{9}\end{aligned}$$

$$\begin{aligned}\frac{2}{3} \times \frac{5}{8} - \frac{1}{6} \\&= \frac{5}{12} - \frac{1}{6} \\&= \frac{1}{4}\end{aligned}$$

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

## Order of Operations with Fractions (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\frac{1}{3} \div \left( \frac{2}{3} - \frac{1}{8} \right)$$

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

$$\frac{5}{6} \times \left( \frac{8}{9} - \frac{7}{9} \right)$$

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

$$\frac{7}{9} \times \left( \frac{3}{4} \right)^2$$

$$\frac{3}{4} - \frac{1}{4} \times \frac{2}{9}$$

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

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

$$\left( \frac{3}{8} + \frac{2}{5} \right) \times \frac{8}{9}$$

# Order of Operations with Fractions (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}\frac{1}{3} \div \left( \frac{2}{3} - \frac{1}{8} \right) \\&= \frac{1}{3} \div \frac{13}{24} \\&= \frac{8}{13}\end{aligned}$$

$$\begin{aligned}\left( \frac{2}{5} + \frac{2}{9} \right) \div \frac{7}{9} \\&= \frac{28}{45} \div \frac{7}{9} \\&= \frac{4}{5}\end{aligned}$$

$$\begin{aligned}\frac{5}{6} \times \left( \frac{8}{9} - \frac{7}{9} \right) \\&= \frac{5}{6} \times \frac{1}{9} \\&= \frac{5}{54}\end{aligned}$$

$$\begin{aligned}\left( \frac{8}{9} - \frac{1}{9} \right) \times \frac{1}{2} \\&= \frac{7}{9} \times \frac{1}{2} \\&= \frac{7}{18}\end{aligned}$$

$$\begin{aligned}\frac{7}{9} \times \left( \frac{3}{4} \right)^2 \\&= \frac{7}{9} \times \frac{9}{16} \\&= \frac{7}{16}\end{aligned}$$

$$\begin{aligned}\frac{3}{4} - \frac{1}{4} \times \frac{2}{9} \\&= \frac{3}{4} - \frac{1}{18} \\&= \frac{25}{36}\end{aligned}$$

$$\begin{aligned}\frac{4}{5} \div \frac{3}{8} + \frac{2}{5} \\&= \frac{32}{15} + \frac{2}{5} \\&= \frac{38}{15} \\&= 2\frac{8}{15}\end{aligned}$$

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

$$\begin{aligned}\left( \frac{3}{8} + \frac{2}{5} \right) \times \frac{8}{9} \\&= \frac{31}{40} \times \frac{8}{9} \\&= \frac{31}{45}\end{aligned}$$

## Order of Operations with Fractions (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

$$\left(\frac{3}{8}\right)^2 \div \frac{1}{8}$$

$$\frac{1}{4} + \frac{7}{9} \div \frac{1}{6}$$

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

$$\frac{1}{5} \div \left(\frac{3}{8}\right)^2$$

$$\frac{3}{8} \div \left(\frac{3}{4} - \frac{1}{2}\right)$$

$$\frac{4}{5} \div \frac{2}{5} + \frac{1}{8}$$

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

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

# Order of Operations with Fractions (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left(\frac{2}{3}\right)^2 + \frac{4}{9} \\ &= \frac{4}{9} + \frac{4}{9} \\ &= \frac{8}{9} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{8}\right)^2 \div \frac{1}{8} \\ &= \frac{9}{64} \div \frac{1}{8} \\ &= \frac{9}{8} \\ &= 1\frac{1}{8} \end{aligned}$$

$$\begin{aligned} & \frac{1}{4} + \frac{7}{9} \div \frac{1}{6} \\ &= \frac{1}{4} + \frac{14}{3} \\ &= \frac{59}{12} \\ &= 4\frac{11}{12} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{2} + \frac{1}{8}\right) \div \frac{7}{9} \\ &= \frac{5}{8} \div \frac{7}{9} \\ &= \frac{45}{56} \end{aligned}$$

$$\begin{aligned} & \frac{1}{5} \div \left(\frac{3}{8}\right)^2 \\ &= \frac{1}{5} \div \frac{9}{64} \\ &= \frac{64}{45} \\ &= 1\frac{19}{45} \end{aligned}$$

$$\begin{aligned} & \frac{3}{8} \div \left(\frac{3}{4} - \frac{1}{2}\right) \\ &= \frac{3}{8} \div \frac{1}{4} \\ &= \frac{3}{2} \\ &= 1\frac{1}{2} \end{aligned}$$

$$\begin{aligned} & \frac{4}{5} \div \frac{2}{5} + \frac{1}{8} \\ &= 2 + \frac{1}{8} \\ &= \frac{17}{8} \\ &= 2\frac{1}{8} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} + \frac{5}{9} \div \frac{1}{3} \\ &= \frac{8}{9} + \frac{5}{3} \\ &= \frac{23}{9} \\ &= 2\frac{5}{9} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{3} - \frac{1}{8}\right) \times \frac{2}{3} \\ &= \frac{5}{24} \times \frac{2}{3} \\ &= \frac{5}{36} \end{aligned}$$

## Order of Operations with Fractions (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

$$\left(\frac{5}{6} + \frac{2}{9}\right) \times \frac{1}{3}$$

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

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

$$\left(\frac{7}{9} + \frac{3}{8}\right) \div \frac{7}{8}$$

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

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

$$\frac{1}{3} + \frac{7}{9} \times \frac{4}{5}$$

# Order of Operations with Fractions (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned}\frac{2}{5} \div \left(\frac{4}{5}\right)^2 \\&= \frac{2}{5} \div \frac{16}{25} \\&= \frac{5}{8}\end{aligned}$$

$$\begin{aligned}\frac{2}{3} \div \frac{1}{5} - \frac{2}{5} \\&= \frac{10}{3} - \frac{2}{5} \\&= \frac{44}{15} \\&= 2\frac{14}{15}\end{aligned}$$

$$\begin{aligned}\left(\frac{5}{6} + \frac{2}{9}\right) \times \frac{1}{3} \\&= \frac{19}{18} \times \frac{1}{3} \\&= \frac{19}{54}\end{aligned}$$

$$\begin{aligned}\left(\frac{2}{9}\right)^2 \times \frac{3}{4} \\&= \frac{4}{81} \times \frac{3}{4} \\&= \frac{1}{27}\end{aligned}$$

$$\begin{aligned}\frac{3}{4} \div \left(\frac{7}{8} - \frac{4}{5}\right) \\&= \frac{3}{4} \div \frac{3}{40} \\&= 10\end{aligned}$$

$$\begin{aligned}\left(\frac{7}{9} + \frac{3}{8}\right) \div \frac{7}{8} \\&= \frac{83}{72} \div \frac{7}{8} \\&= \frac{83}{63} \\&= 1\frac{20}{63}\end{aligned}$$

$$\begin{aligned}\left(\frac{7}{9} + \frac{1}{3}\right) \times \frac{3}{4} \\&= \frac{10}{9} \times \frac{3}{4} \\&= \frac{5}{6}\end{aligned}$$

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

$$\begin{aligned}\frac{1}{3} + \frac{7}{9} \times \frac{4}{5} \\&= \frac{1}{3} + \frac{28}{45} \\&= \frac{43}{45}\end{aligned}$$



# Order of Operations with Fractions (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

$$\frac{3}{4} \div \frac{1}{3} + \frac{2}{5}$$

$$\frac{1}{9} \div \frac{2}{9} + \frac{1}{6}$$

# Order of Operations with Fractions (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

$$\begin{aligned} & \left( \frac{1}{5} + \frac{8}{9} \right) \times \frac{5}{8} \\ &= \frac{49}{45} \times \frac{5}{8} \\ &= \frac{49}{72} \end{aligned}$$

$$\begin{aligned} & \left( \frac{3}{4} + \frac{4}{5} \right) \div \frac{1}{5} \\ &= \frac{31}{20} \div \frac{1}{5} \\ &= \frac{31}{4} \\ &= 7\frac{3}{4} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} \div \frac{5}{8} + \frac{1}{5} \\ &= \frac{8}{15} + \frac{1}{5} \\ &= \frac{11}{15} \end{aligned}$$

$$\begin{aligned} & \left( \frac{3}{4} \right)^3 \times \frac{2}{3} \\ &= \frac{27}{64} \times \frac{2}{3} \\ &= \frac{9}{32} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} \times \frac{2}{3} + \frac{5}{8} \\ &= \frac{1}{3} + \frac{5}{8} \\ &= \frac{23}{24} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} + \left( \frac{5}{6} \right)^2 \\ &= \frac{2}{3} + \frac{25}{36} \\ &= \frac{49}{36} \\ &= 1\frac{13}{36} \end{aligned}$$

$$\begin{aligned} & \frac{5}{8} \div \left( \frac{1}{4} - \frac{1}{6} \right) \\ &= \frac{5}{8} \div \frac{1}{12} \\ &= \frac{15}{2} \\ &= 7\frac{1}{2} \end{aligned}$$

$$\begin{aligned} & \frac{3}{4} \div \frac{1}{3} + \frac{2}{5} \\ &= \frac{9}{4} + \frac{2}{5} \\ &= \frac{53}{20} \\ &= 2\frac{13}{20} \end{aligned}$$

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

## Order of Operations with Fractions (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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

# Order of Operations with Fractions (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Simplify each expression using the correct order of operations.

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

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

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

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

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

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

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

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

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