Order of Operations with Fractions (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(\frac{4}{9}\right)^2 \div \left(-\frac{4}{5}\right) - \frac{2}{3}$

$\left(\frac{3}{4}\right)^3 \times \frac{5}{9} - \frac{7}{8}$

$\left(-\frac{7}{8}\right) \times \left(\frac{4}{5} - \left(\frac{2}{3}\right)^2\right)$

$\left(\frac{2}{3}\right)^2 \times \left(-\frac{7}{8}\right) + \left(-\frac{2}{5}\right)$

$\left(\left(-\frac{1}{3}\right) - \frac{5}{6}\right)^2 \div \left(-\frac{5}{9}\right)$

$\left(-\frac{8}{9}\right) + \frac{1}{9} \div \left(-\frac{1}{4}\right)^3$

Order of Operations with Fractions (A)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(\frac{4}{9}\right)^2 \div \left(-\frac{4}{5}\right) - \frac{2}{3}$

$= \frac{16}{81} \div \left(-\frac{4}{5}\right) - \frac{2}{3}$

$= \left(-\frac{20}{81}\right) - \frac{2}{3}$

$= -\frac{74}{81}$

$\left(\frac{3}{4}\right)^3 \times \frac{5}{9} - \frac{7}{8}$

$= \frac{27}{64} \times \frac{5}{9} - \frac{7}{8}$

$= \frac{15}{64} - \frac{7}{8}$

$= -\frac{41}{64}$

$\left(-\frac{7}{8}\right) \times \left(\frac{4}{5} - \left(\frac{2}{3}\right)^2\right)$

$= \left(-\frac{7}{8}\right) \times \left(\frac{4}{5} - \frac{4}{9}\right)$

$= \left(-\frac{7}{8}\right) \times \frac{16}{45}$

$= -\frac{14}{45}$

$\left(\frac{2}{3}\right)^2 \times \left(-\frac{7}{8}\right) + \left(-\frac{2}{5}\right)$

$= \frac{4}{9} \times \left(-\frac{7}{8}\right) + \left(-\frac{2}{5}\right)$

$= \left(-\frac{7}{18}\right) + \left(-\frac{2}{5}\right)$

$= -\frac{71}{90}$

$\left(\left(-\frac{1}{3}\right) - \frac{5}{6}\right)^2 \div \left(-\frac{5}{9}\right)$

$= \left(-\frac{7}{6}\right)^2 \div \left(-\frac{5}{9}\right)$

$= \frac{49}{36} \div \left(-\frac{5}{9}\right)$

$= -\frac{49}{20}$

$= -2\frac{9}{20}$

$\left(-\frac{8}{9}\right) + \frac{1}{9} \div \left(-\frac{1}{4}\right)^3$

$= \left(-\frac{8}{9}\right) + \frac{1}{9} \div \left(-\frac{1}{64}\right)$

$= \left(-\frac{8}{9}\right) + \left(-\frac{64}{9}\right)$

$= -8$

Order of Operations with Fractions (B)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

$\left(-\frac{3}{4}\right)^2 \times \left(\frac{7}{9} - \left(-\frac{1}{5}\right)\right)$

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

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

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

$\frac{1}{5} + \frac{3}{4} \div \left(\frac{5}{6}\right)^2$

Order of Operations with Fractions (B)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

$= \left(-\frac{2}{9}\right) \div \frac{2}{9} + \left(-\frac{1}{64}\right)$

$= (-1) + \left(-\frac{1}{64}\right)$

$= -\frac{65}{64}$

$= -1\frac{1}{64}$

$\left(-\frac{3}{4}\right)^2 \times \left(\frac{7}{9} - \left(-\frac{1}{5}\right)\right)$

$= \left(-\frac{3}{4}\right)^2 \times \frac{44}{45}$

$= \frac{9}{16} \times \frac{44}{45}$

$= \frac{11}{20}$

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

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

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

$= -\frac{1}{9}$

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

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

$= \frac{4}{9} - \frac{1}{45}$

$= \frac{19}{45}$

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

$= \left(-\frac{5}{9}\right) \times \left(-\frac{1}{2}\right) + \frac{1}{27}$

$= \frac{5}{18} + \frac{1}{27}$

$= \frac{17}{54}$

$\frac{1}{5} + \frac{3}{4} \div \left(\frac{5}{6}\right)^2$

$= \frac{1}{5} + \frac{3}{4} \div \frac{25}{36}$

$= \frac{1}{5} + \frac{27}{25}$

$= \frac{32}{25}$

$= 1\frac{7}{25}$

Order of Operations with Fractions (C)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{7}{9}\right) \times \frac{3}{8} - \left(\frac{5}{6}\right)^2$

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

$\frac{5}{8} + \left(\frac{3}{4}\right)^3 \times \left(-\frac{1}{3}\right)$

$\frac{1}{8} \div \left(\left(-\frac{5}{6}\right)^2 + \left(-\frac{7}{9}\right)\right)$

$\frac{7}{8} - \left(-\frac{7}{8}\right) \div \left(-\frac{7}{9}\right)^2$

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

Order of Operations with Fractions (C)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{7}{9}\right) \times \frac{3}{8} - \left(\frac{5}{6}\right)^2$

$= \left(-\frac{7}{9}\right) \times \frac{3}{8} - \frac{25}{36}$

$= \left(-\frac{7}{24}\right) - \frac{25}{36}$

$= -\frac{71}{72}$

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

$= \left(\frac{2}{3}\right)^2 \div \frac{1}{10}$

$= \frac{4}{9} \div \frac{1}{10}$

$= \frac{40}{9}$

$= 4\frac{4}{9}$

$\frac{5}{8} + \left(\frac{3}{4}\right)^3 \times \left(-\frac{1}{3}\right)$

$= \frac{5}{8} + \frac{27}{64} \times \left(-\frac{1}{3}\right)$

$= \frac{5}{8} + \left(-\frac{9}{64}\right)$

$= \frac{31}{64}$

$\frac{1}{8} \div \left(\left(-\frac{5}{6}\right)^2 + \left(-\frac{7}{9}\right)\right)$

$= \frac{1}{8} \div \left(\frac{25}{36} + \left(-\frac{7}{9}\right)\right)$

$= \frac{1}{8} \div \left(-\frac{1}{12}\right)$

$= -\frac{3}{2}$

$= -1\frac{1}{2}$

$\frac{7}{8} - \left(-\frac{7}{8}\right) \div \left(-\frac{7}{9}\right)^2$

$= \frac{7}{8} - \left(-\frac{7}{8}\right) \div \frac{49}{81}$

$= \frac{7}{8} - \left(-\frac{81}{56}\right)$

$= \frac{65}{28}$

$= 2\frac{9}{28}$

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

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

$= \frac{1}{16} \times \frac{1}{5}$

$= \frac{1}{80}$

Order of Operations with Fractions (D)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{1}{2}\right)^2 \div \frac{1}{8} - \left(-\frac{7}{8}\right)$

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

$\left(\frac{1}{4}\right)^2 \times \frac{3}{5} + \left(-\frac{5}{8}\right)$

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

$\left(-\frac{5}{8}\right) + \left(-\frac{3}{4}\right)^2 \div \left(-\frac{5}{6}\right)$

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

Order of Operations with Fractions (D)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{1}{2}\right)^2 \div \frac{1}{8} - \left(-\frac{7}{8}\right)$

$= \frac{1}{4} \div \frac{1}{8} - \left(-\frac{7}{8}\right)$

$= 2 - \left(-\frac{7}{8}\right)$

$= \frac{23}{8}$

$= 2\frac{7}{8}$

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

$= \left(-\frac{7}{9}\right) - \left(-\frac{3}{4}\right) \div \frac{27}{64}$

$= \left(-\frac{7}{9}\right) - \left(-\frac{16}{9}\right)$

$= 1$

$\left(\frac{1}{4}\right)^2 \times \frac{3}{5} + \left(-\frac{5}{8}\right)$

$= \frac{1}{16} \times \frac{3}{5} + \left(-\frac{5}{8}\right)$

$= \frac{3}{80} + \left(-\frac{5}{8}\right)$

$= -\frac{47}{80}$

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

$= \frac{5}{9} \div \left(\frac{49}{81} + \left(-\frac{2}{3}\right)\right)$

$= \frac{5}{9} \div \left(-\frac{5}{81}\right)$

$= -9$

$\left(-\frac{5}{8}\right) + \left(-\frac{3}{4}\right)^2 \div \left(-\frac{5}{6}\right)$

$= \left(-\frac{5}{8}\right) + \frac{9}{16} \div \left(-\frac{5}{6}\right)$

$= \left(-\frac{5}{8}\right) + \left(-\frac{27}{40}\right)$

$= -\frac{13}{10}$

$= -1\frac{3}{10}$

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

$= \left(\frac{7}{9}\right)^2 \div \left(-\frac{2}{3}\right)$

$= \frac{49}{81} \div \left(-\frac{2}{3}\right)$

$= -\frac{49}{54}$

Order of Operations with Fractions (E)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{2}{5}\right)^2 \div \left(-\frac{8}{9}\right) - \frac{1}{6}$

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

$\left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) - \left(\frac{1}{6}\right)^2$

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

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

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

Order of Operations with Fractions (E)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{2}{5}\right)^2 \div \left(-\frac{8}{9}\right) - \frac{1}{6}$

$= \frac{4}{25} \div \left(-\frac{8}{9}\right) - \frac{1}{6}$

$= \left(-\frac{9}{50}\right) - \frac{1}{6}$

$= -\frac{26}{75}$

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

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

$= \frac{5}{6} \div \left(-\frac{13}{12}\right)$

$= -\frac{10}{13}$

$\left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) - \left(\frac{1}{6}\right)^2$

$= \left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) - \frac{1}{36}$

$= \frac{9}{8} - \frac{1}{36}$

$= \frac{79}{72}$

$= 1\frac{7}{72}$

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

$= \frac{9}{16} - \left(-\frac{1}{5}\right) \times \frac{1}{4}$

$= \frac{9}{16} - \left(-\frac{1}{20}\right)$

$= \frac{49}{80}$

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

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

$= (-6) + \frac{1}{4}$

$= -\frac{23}{4}$

$= -5\frac{3}{4}$

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

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

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

$= \frac{7}{4}$

$= 1\frac{3}{4}$

Order of Operations with Fractions (F)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{1}{2}\right) - \left(-\frac{7}{8}\right)^2 \div \frac{1}{8}$

$\frac{3}{8} \times \left(\left(\frac{1}{2}\right)^2 - \left(-\frac{5}{6}\right)\right)$

$\left(\left(-\frac{2}{9}\right) - \left(-\frac{1}{3}\right)^2\right) \div \frac{7}{9}$

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

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

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

Order of Operations with Fractions (F)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{1}{2}\right) - \underline{\left(-\frac{7}{8}\right)^2} \div \frac{1}{8}$

$= \left(-\frac{1}{2}\right) - \underline{\frac{49}{64} \div \frac{1}{8}}$

$= \underline{\left(-\frac{1}{2}\right) - \frac{49}{8}}$

$= -\frac{53}{8}$

$= -6\frac{5}{8}$

$\frac{3}{8} \times \left(\underline{\left(\frac{1}{2}\right)^2} - \left(-\frac{5}{6}\right)\right)$

$= \frac{3}{8} \times \left(\underline{\frac{1}{4} - \left(-\frac{5}{6}\right)}\right)$

$= \underline{\frac{3}{8} \times \frac{13}{12}}$

$= \frac{13}{32}$

$\left(\left(-\frac{2}{9}\right) - \underline{\left(-\frac{1}{3}\right)^2}\right) \div \frac{7}{9}$

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

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

$= -\frac{3}{7}$

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

$= \frac{3}{5} \div \left(\underline{\frac{1}{16} + \frac{4}{5}}\right)$

$= \underline{\frac{3}{5} \div \frac{69}{80}}$

$= \frac{16}{23}$

$\left(\underline{\left(\frac{1}{3}\right)^2} + \frac{1}{9}\right) \times \frac{4}{9}$

$= \left(\underline{\frac{1}{9} + \frac{1}{9}}\right) \times \frac{4}{9}$

$= \underline{\frac{2}{9} \times \frac{4}{9}}$

$= \frac{8}{81}$

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

$= \underline{\frac{9}{16} \div \left(-\frac{1}{4}\right)} - \frac{1}{5}$

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

$= -\frac{49}{20}$

$= -2\frac{9}{20}$

Order of Operations with Fractions (G)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{1}{6}\right) \div \left(\frac{5}{9}\right)^2 - \frac{4}{5}$

$\frac{3}{8} + \frac{4}{5} \times \left(\frac{1}{2}\right)^2$

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

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

$\left(-\frac{2}{3}\right) \div \left(\left(-\frac{7}{9}\right)^2 - \frac{2}{9}\right)$

$\left(-\frac{1}{9}\right) \times \frac{3}{8} + \left(-\frac{1}{4}\right)^2$

Order of Operations with Fractions (G)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(-\frac{1}{6}\right) \div \left(\frac{5}{9}\right)^2 - \frac{4}{5}$

$= \left(-\frac{1}{6}\right) \div \frac{25}{81} - \frac{4}{5}$

$= \left(-\frac{27}{50}\right) - \frac{4}{5}$

$= -\frac{67}{50}$

$= -1\frac{17}{50}$

$\frac{3}{8} + \frac{4}{5} \times \left(\frac{1}{2}\right)^2$

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

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

$= \frac{23}{40}$

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

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

$= \frac{5}{9} \times \frac{1}{4}$

$= \frac{5}{36}$

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

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

$= 6 - \frac{4}{9}$

$= \frac{50}{9}$

$= 5\frac{5}{9}$

$\left(-\frac{2}{3}\right) \div \left(\left(-\frac{7}{9}\right)^2 - \frac{2}{9}\right)$

$= \left(-\frac{2}{3}\right) \div \left(\frac{49}{81} - \frac{2}{9}\right)$

$= \left(-\frac{2}{3}\right) \div \frac{31}{81}$

$= -\frac{54}{31}$

$= -1\frac{23}{31}$

$\left(-\frac{1}{9}\right) \times \frac{3}{8} + \left(-\frac{1}{4}\right)^2$

$= \left(-\frac{1}{9}\right) \times \frac{3}{8} + \frac{1}{16}$

$= \left(-\frac{1}{24}\right) + \frac{1}{16}$

$= \frac{1}{48}$

Order of Operations with Fractions (H)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(\left(\frac{1}{3}\right)^2 - \frac{8}{9}\right) \div \left(-\frac{5}{8}\right)$

$\left(-\frac{5}{6}\right) \times \left(\left(\frac{1}{2}\right)^2 - \frac{4}{5}\right)$

$\left(-\frac{8}{9}\right) \div \left(\left(\frac{2}{3}\right)^2 + \left(-\frac{5}{9}\right)\right)$

$\left(-\frac{5}{9}\right)^2 + \left(-\frac{1}{9}\right) \times \left(-\frac{7}{9}\right)$

$\frac{1}{3} \times \left(-\frac{5}{9}\right) + \left(\frac{4}{9}\right)^2$

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

Order of Operations with Fractions (H)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

$\left(\left(\frac{1}{3}\right)^2 - \frac{8}{9}\right) \div \left(-\frac{5}{8}\right)$

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

$= \left(-\frac{7}{9}\right) \div \left(-\frac{5}{8}\right)$

$= \frac{56}{45}$

$= 1\frac{11}{45}$

$\left(-\frac{5}{6}\right) \times \left(\left(\frac{1}{2}\right)^2 - \frac{4}{5}\right)$

$= \left(-\frac{5}{6}\right) \times \left(\frac{1}{4} - \frac{4}{5}\right)$

$= \left(-\frac{5}{6}\right) \times \left(-\frac{11}{20}\right)$

$= \frac{11}{24}$

$\left(-\frac{8}{9}\right) \div \left(\left(\frac{2}{3}\right)^2 + \left(-\frac{5}{9}\right)\right)$

$= \left(-\frac{8}{9}\right) \div \left(\frac{4}{9} + \left(-\frac{5}{9}\right)\right)$

$= \left(-\frac{8}{9}\right) \div \left(-\frac{1}{9}\right)$

$= 8$

$\left(-\frac{5}{9}\right)^2 + \left(-\frac{1}{9}\right) \times \left(-\frac{7}{9}\right)$

$= \frac{25}{81} + \left(-\frac{1}{9}\right) \times \left(-\frac{7}{9}\right)$

$= \frac{25}{81} + \frac{7}{81}$

$= \frac{32}{81}$

$\frac{1}{3} \times \left(-\frac{5}{9}\right) + \left(\frac{4}{9}\right)^2$

$= \frac{1}{3} \times \left(-\frac{5}{9}\right) + \frac{16}{81}$

$= \left(-\frac{5}{27}\right) + \frac{16}{81}$

$= \frac{1}{81}$

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

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

$= \left(-\frac{2}{5}\right) \times \frac{17}{18}$

$= -\frac{17}{45}$

Order of Operations with Fractions (I)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

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

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

$\left(\left(\frac{5}{6}\right)^2 - \left(-\frac{7}{9}\right)\right) \div \left(-\frac{5}{6}\right)$

$\left(\left(-\frac{1}{6}\right) - \frac{5}{6}\right)^2 \times \left(-\frac{3}{4}\right)$

$\left(-\frac{1}{2}\right)^2 + \left(-\frac{7}{8}\right) \div \frac{3}{4}$

Order of Operations with Fractions (I)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

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

$= \frac{1}{4} + \left(-\frac{1}{18}\right)$

$= \frac{7}{36}$

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

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

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

$= -\frac{7}{9}$

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

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

$= \left(-\frac{1}{3}\right) - \left(-\frac{4}{45}\right)$

$= -\frac{11}{45}$

$\left(\left(\frac{5}{6}\right)^2 - \left(-\frac{7}{9}\right)\right) \div \left(-\frac{5}{6}\right)$

$= \left(\frac{25}{36} - \left(-\frac{7}{9}\right)\right) \div \left(-\frac{5}{6}\right)$

$= \frac{53}{36} \div \left(-\frac{5}{6}\right)$

$= -\frac{53}{30}$

$= -1\frac{23}{30}$

$\left(\left(-\frac{1}{6}\right) - \frac{5}{6}\right)^2 \times \left(-\frac{3}{4}\right)$

$= (-1)^2 \times \left(-\frac{3}{4}\right)$

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

$= -\frac{3}{4}$

$\left(-\frac{1}{2}\right)^2 + \left(-\frac{7}{8}\right) \div \frac{3}{4}$

$= \frac{1}{4} + \left(-\frac{7}{8}\right) \div \frac{3}{4}$

$= \frac{1}{4} + \left(-\frac{7}{6}\right)$

$= -\frac{11}{12}$

Order of Operations with Fractions (J)

Name: _____ Date: _____

Solve each expression using the correct order of operations.

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

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

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

$\left(-\frac{7}{9}\right) \div \left(\frac{1}{2}\right)^3 - \left(-\frac{5}{9}\right)$

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

$\left(\left(-\frac{5}{6}\right) + \left(-\frac{1}{2}\right)\right)^2 \div \left(-\frac{1}{4}\right)$

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Solve each expression using the correct order of operations.

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

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

$= \frac{1}{9} + \frac{3}{8}$

$= \frac{35}{72}$

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

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

$= \left(-\frac{25}{18}\right) + \frac{4}{9}$

$= -\frac{17}{18}$

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

$= \left(\frac{9}{16} - \frac{1}{8}\right) \div \left(-\frac{1}{3}\right)$

$= \frac{7}{16} \div \left(-\frac{1}{3}\right)$

$= -\frac{21}{16}$

$= -1\frac{5}{16}$

$\left(-\frac{7}{9}\right) \div \left(\frac{1}{2}\right)^3 - \left(-\frac{5}{9}\right)$

$= \left(-\frac{7}{9}\right) \div \frac{1}{8} - \left(-\frac{5}{9}\right)$

$= \left(-\frac{56}{9}\right) - \left(-\frac{5}{9}\right)$

$= -\frac{17}{3}$

$= -5\frac{2}{3}$

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

$= \left(-\frac{1}{3}\right) + \left(-\frac{1}{8}\right) \times \frac{7}{9}$

$= \left(-\frac{1}{3}\right) + \left(-\frac{7}{72}\right)$

$= -\frac{31}{72}$

$\left(\left(-\frac{5}{6}\right) + \left(-\frac{1}{2}\right)\right)^2 \div \left(-\frac{1}{4}\right)$

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

$= \frac{16}{9} \div \left(-\frac{1}{4}\right)$

$= -\frac{64}{9}$

$= -7\frac{1}{9}$