# Multistep Fractions Worksheet

Solve each of the following problems involving multistep operations with fractions. Show your working for each step.

1. Evaluate: $\frac{2}{3} + \frac{5}{6} - \frac{1}{2}$

2. Calculate: $\frac{3}{4} \times \left(\frac{2}{5} + \frac{1}{10}\right)$

3. Simplify: $\left(\frac{7}{8} - \frac{1}{4}\right) \div \frac{3}{16}$

4. Find the value of: $\frac{5}{9} + \frac{2}{3} \times \frac{3}{4}$

5. Solve for $x$: If $x = \frac{2}{5}$ and $y = \frac{3}{7}$, what is $x + y - \frac{1}{2}$?

6. Evaluate: $\frac{3}{5} \div \frac{6}{25} - \frac{1}{2}$

7. Calculate: $\left(\frac{4}{9} + \frac{5}{18}\right) \times \frac{3}{7}$

8. Simplify: $\frac{2}{3} + \frac{1}{2} \div \frac{5}{6}$

9. Find: $\frac{7}{12} - \left(\frac{1}{3} + \frac{1}{4}\right)$

10. Evaluate: $\left(\frac{5}{6} - \frac{1}{3}\right) \div \frac{2}{9}$

## Answer Key

1. $\frac{2}{3}+\frac{5}{6}-\frac{1}{2}=1$

2. $\frac{3}{4}\times\left(\frac{2}{5}+\frac{1}{10}\right)=3/8$

3. $\left(\frac{7}{8}-\frac{1}{4}\right)\div\frac{3}{16}=10/3$

4. $\frac{5}{9}+\frac{2}{3}\times\frac{3}{4}=19/18$ or 1 1/18

5. $x+y-\frac{1}{2}=\frac{2}{5}+\frac{3}{7}-\frac{1}{2}=23/70$

6. $\frac{3}{5}\div\frac{6}{25}-\frac{1}{2}=2-\frac{1}{2}=2$

7. $\left(\frac{4}{9}+\frac{5}{18}\right)\times\frac{3}{7}=\frac{1}{2}\times\frac{3}{7}=13/42$

8. $\frac{2}{3}+\frac{1}{2}\div\frac{5}{6}=\frac{2}{3}+\frac{3}{5}=\frac{19}{15}$

9. $\frac{7}{12}-\left(\frac{1}{3}+\frac{1}{4}\right)=\frac{7}{12}-\frac{7}{12}=0$

10. $\left(\frac{5}{6}-\frac{1}{3}\right)\div\frac{2}{9}=\frac{1}{2}\div\frac{2}{9}=\frac{9}{4}$