

4-2D Solving One-Step Equations with Rational Numbers**REMEMBER:****1. Decimals:**


- Add or Subtract – must line up decimal point
- Multiply – add up all decimal places in both numbers & place that many decimal places in answer
- Divide – cannot divide by decimal, must move decimal point behind last digit, then move decimal point inside same number of places

2. Fractions:

- Add or Subtract – must have a common denominator
- Multiply – change mixed numbers to improper fractions, cross cancel, then multiply across
- Divide – change mixed numbers to improper fractions, “keep (1st fraction the same) → change (division to multiplication) → flip (2nd fraction)” cross cancel, then multiply across

- Note:** 1. Always follow INTEGER RULES.
2. Cannot cross cancel across the equal sign.

Ex. 1: Solve each equation. Graph your solution on a number line.

A. $x + 15.2 = -9.278$ 

B. $y - 9.25 = -21.75$ 

C. $0.6x = 54$ 

D. $\frac{x}{-2.13} = -4.16$ 

E. $4 = -\frac{2}{3}y$ 

F. $x - \frac{7}{9} = \frac{5}{7}$ 