

3.1 Day 5 Math Notebook Pages

TSW solve linear equations with one variable by simplifying expressions using distributive property AND _____ (adding, subtracting, multiplying and dividing on both sides of the equal sign)

Distributive Property Review

The **Distributive Property** is an algebra property which is used to multiply a single term and two or more terms inside a set of parentheses. Take a look at the problem below.

$$2(4 + 3)$$

$$4(y + 3)$$

Combining Like Term AND Distributive Property Review

$$7 - (4x - 9)$$

We Do

$$\frac{3x}{4} - \frac{2x + 1}{4} = -1.5$$

Rewrite the left side as a single fraction.

Use the distributive property.

Simplify the numerator.

Guided Practice

Solve each linear equation.

1 $\frac{2x}{3} - \frac{2+x}{3} = -4$

2 $0.6(1 - x) + 0.2(x - 5) = 10$

3 $\frac{3x}{5} + \frac{x-1}{3} = \frac{2}{15}$

