

Day 2_ Solving Equations

Directions: Fill in the blanks below with the appropriate operation.

Operations

Addition 

Subtraction 

Multiplication 

Division 

Inverse

Algebraic Equations:

$$X + 5.5 = 8$$

- When we set an expression _____ to something
- When we _____ an equation, we find the value of the variable that makes the number sentence _____.

Balances:



- If the two parts of a balance are level, that means that the items that are on each side of it weigh the _____ amount, or they are _____.
- The equal sign in an equation means that the two sides are equal to one another.



Model #1: Solve $34 = c + 9.09$

Solve	Steps	Check
	<p>Goal: To get the variable alone.</p> <ol style="list-style-type: none">1. Write the equation.2. Identify the operation.3. Perform the inverse operation to both sides.4. Simplify5. Check	

Model #2 Solve $54.87 = k + 23.005$

Solve	Steps	Check
	<p>Goal: To get the variable alone.</p> <ol style="list-style-type: none">1. Write the _____2. Identify the _____.3. Perform the _____ operation to _____ sides.4. Simplify5. _____.	

Model #3: Solve $6.25 = 2.3 + m$

Solve	Steps	Check
	<p>Goal: To get the variable alone.</p> <ol style="list-style-type: none">1. Write the equation.2. Identify the operation.3. Perform the inverse operation to both sides.4. Simplify5. Check	

Practice Makes Perfect!

Example #1 Solve $x + 6.3 = 9.6$

Solve	Steps	Check
	<p>Goal: To get the variable alone.</p> <ol style="list-style-type: none">1. Write the equation.2. Identify the operation.3. Perform the inverse operation to both sides.4. Simplify <p>Check</p>	

Example #2 Solve and check your answer.

$$19.8 = c + 12$$

Answer: _____

Example #3 Solve and check your answer.

$$Y + 26.09 = 30.1$$

Answer: _____

Example #4 Solve and check your answer.

$$87.24 = 17.003 + h$$

Answer: _____

Guided Practice

Directions: Solve and check your solution.

1) Solve $13.6 = x - 8.009$

Check

Answer: _____

2) Solve $y - 29.03 = 1.9$

Check

Answer: _____

3) Solve $87.48 = -23.5 + p$

Check

Answer: _____