

FOLDABLE

Solving Equations (top layer)	Do you have a constant added or subtracted on both sides of the equal sign?
	Does your variable have a coefficient other than 1?
	<p>You should have a simple equation with a variable = a number.</p> <p>Check your solution by substituting the number in the original equation.</p>

GLUING TAB (middle layer)	<p>Choose the constant that is on the same side as the variable. Undo that constant by adding the opposite to both sides of the equation.</p> $7 = 5x - 3$ <p>Add positive 3 to both sides.</p>	YES		
	<p>Undo the coefficient of the variable by doing the opposite operation (multiply or divide).</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> $3x = 12$ Divide by 3 </td> <td style="width: 50%; text-align: center;"> $\frac{x}{4} = 6$ Multiply by 4 </td> </tr> </table>	$3x = 12$ Divide by 3	$\frac{x}{4} = 6$ Multiply by 4	YES
	$3x = 12$ Divide by 3	$\frac{x}{4} = 6$ Multiply by 4		
<p>Solution: $x = 5$</p> <p>Original equation:</p> $2(x - 3) = x - 1$ $2(5 - 3) = 5 - 1$ $2(2) = 4$ $4 = 4$	YES			

GLUING TAB (bottom layer)	The constant values are only on one side of the equation. Go to the next step.	NO
	The variable has a coefficient of 1. Go to the next step.	NO
	My solution checks in the original equation!	YAY!

Source:

Carter, S. (2013, November 19). Solving Equations Flowchart Foldable [Blog post]. Math = Love.
<https://mathequalslove.net/solving-equations-flowchart-foldable/>