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| --- | --- |
| **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? |
| You should have a  simple equation with  a variable = a number.  Check your solution by substituting the number in the original equation. |

Foldable

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| --- | --- | --- |
| **GLUING TAB** (middle layer) | 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.  7 = 5*x*−3  Add positive 3 to both sides. | YES |
| Undo the coefficient of the variable by doing the opposite operation  (multiply or divide).   |  |  | | --- | --- | | 3*x* = 12  Divide by 3 | Multiply by 4 | | YES |
| Solution: *x* = 5  Original equation:  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/