NO	Grouping Symbols	
R	Does the equation contain grouping symbols? () [] { } —	
NO	Líke Terms	
4	Does the equation contain like terms on the left side? Does the equation contain like terms on the right side?	
NO	Variables on both sides	
7	Does the equation contain variables on both sides of the equal sign?	
NO	Constants on both sides	
7	Does the equation contain constants on both sides of the equal sign?	
NO	Divide or Multiply	
7	Is there a coefficient (other than 1) with the variable?	
©	Time to Check Now you have an equation that is a variable equals a number It is time to check.	

How to Solve Multi-Step Equations

A	If "No," move to the next step.	
4	If "Yes," open the flap and follow the directions	P
Glue "No" Tab here	For (), [], and { } Use the distributive property. $3(2x+7) \rightarrow 6x + 21$ $\frac{x+2}{3} = 10 \rightarrow x + 2 = 30$	Ye\$
	Combine like terms on the left side of the equal sign. Combine like terms on the right side of the equal sign. $4x + 2 - 3x \rightarrow x + 2 \textbf{OR} 10 - 5x + 3 \rightarrow 13 - 5x$	Yes
	Find the variable with the smaller coefficient. Undo that variable by adding the opposite to both sides of the equation. $2x + 5 = 4x - 3$ $-2x \qquad -2x$ $5 = 2x - 3$	Yes
	Find the constant that is on the same side as the variable. Undo that constant by adding the opposite to both sides of the equation. $11 = 2x + 5$ $-5 \qquad -5$ $6 = 2x$	Yes
	Undo the coefficient by using the inverse operation on both sides of the equation. $4x = 12 \ \rightarrow \text{divide by 4} \textbf{OR} \frac{2x}{3} = 6 \ \rightarrow \text{multiply by } \frac{3}{2}$	Ye\$
	Check your solution by substituting the variable in the original equation with your solution. If it works, then you are finished! If not try again.	Yay!