"Explain the Solution" Assignment

Goal: In partners, you will be given a word problem related to solving equations. You will be asked to solve the problem and explain your full solution in a creative way.

☑ *Checklist -- You must have:*

☐ Defined variables ("Let" statements)

☐ Full solution to your problem, including all steps

☐ A clear *explanation* of each step, indicating how you moved from one step to the next
   (**Note:** not all solutions require a diagram, but for some, drawing one will certainly help!)

☐ Correct final solution

☐ Concluding statement ("Therefore" statement)

You may present your solution in one of the following ways:

1. **A poster.** Your poster must include your solution, and your written explanation may either be included on your poster, or as a separate typed handout.
2. **A video.** You may film yourselves solving your given problem. For the solution, you would film yourself completing the problem, and for the explanation, you can verbally talk through the steps.
3. **A PowerPoint presentation.** Each slide could add another step to the solution, and your explanation could either be written on the slides, or voice-recorded over your slide presentation.
4. **Solution presented in another way.** If you have a different and creative way you'd like to present your solution, please do so. Before your do, please come see me to discuss your idea so that I can approve it.

Marking Scheme

		Totals:	
[1] K	Question is stated		
[1] K	Variables are clearly and correctly defined	K -	/10
[2] K	Solution begins with an equation that models the problem	T -	/3
[6] K	Each step of the solution is clear and correct		
[3] A	The explanation for each step is clear and correct	C -	/3
[3] T	The explanation demonstrates a thorough understanding of the concepts	A -	/4
[1] A	The solution is correct		
[1] C	Concluding statement is clear and correct	Total	/20
[1] C	Chosen output is neat, legible, and creative		

Due Dates:

Wednesday November 21st	**Monday December 17th**
Rough Copy – includes your full solution, but does not include your explanations for each step	**Final Product** – includes your full solution, plus explanation, in the format you chose