**OPPORTUNITY TO HELP TONY: Tony has $34. Tony is going to the fair. The total cost for the fair can be represented by the function. C(x) = 2x + 5, where x is the number of rides Tony rides. Tony plans to ride 13 rides at the fair. Will Tony have enough money? If so, how much will he have left over? If not, how much more money will he need?**

**PROBLEM ANALYSIS STRIPS: Have students cut these boxes into strips and reassemble. Point out the sequence anchor words First, Then, Next, Last.**

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| **First,**  We **IDENTIFY** the **PARTS OF THE PROBLEM**.  Tony has a **TOTAL of $34.00**.  Tony’s GOAL is to ride 13 rides.  The equation to **FIND** the **TOTAL COST** of the fair is:  C(x) = 2x + 5 and x = number of rides (13) |
| **Then**,  We **SUBSTITUTE** 13 **for** the letter **x**.  C(13) = 2(13) + 5 |
| **Next,**  We **SOLVE** the EQUATION.  C(13) = (2\*13) + 5  C(13)=(26) + 5  C(13) = 31 |
| **Finally,**  We **STATE** the **RESULT** and **CONNECT** to the **INITIAL QUESTION.**  **RESULT:** **Tony will pay $31.00**  **Tony has $34.00.**  Tony will $3.00 left. **(REMAINDER)** ($34.00-$31.00=$3.00)  **FINAL EVALUATION: Tony has ENOUGH money.** |



**RESCUE STATION**

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| * ***MATH PARTS*** | * **WHAT DO I NEED TO DO?** | * **WHY?** |
| Tony has a **TOTAL of $34.00**.  Tony’s GOAL is to ride 13 rides. | **First,** we **IDENTIFY** the **PARTS OF THE PROBLEM**.  The equation is to **FIND** the **TOTAL COST** of the fair to Tony. | This is to know what we have to work with.  This is to know if Tony’s goal is achievable. |
| C(x) = 2x + 5 and x = number of rides (13) | This is the equation to **FIND** the **TOTAL COST** of the fair. I will have to substitute. | When I substitute I can COMPARE the TOTAL with the COST. This is to see if Tony will have enough money to achieve his goal. |
| **Next,**  We **SOLVE** the EQUATION.  **Finally,**  We **STATE** the **RESULT** and **CONNECT** to the **INITIAL QUESTION.** | C(13) = (2\*13) + 5  C(13)=(26) + 5  C(13) = 31  **RESULT:** **Tony will pay $31.00**  **Tony has $34.00.**  Tony will $3.00 left. **(REMAINDER)** ($34.00-$31.00=$3.00) | This is to decide if Tony will have enough money.  This is to decide if Tony will have enough money. The final result is that Tony will have enough money to enjoy himself. |

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| * ***MATH PARTS*** | * **WHAT DO I NEED TO DO?** | * **WHY?** |
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| C:\Users\mccurangel\AppData\Local\Microsoft\Windows\INetCache\IE\490OHGGO\journal[1].jpg  **My Math Journal**  **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Topic: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| |  |  | | --- | --- | | **Vocabulary:** | **Verbal Operations Instruction Words:** | | **Connect:** Put together  **Identify:** State  **Find:** Look For  **Substitute:** Replace  **Equation:** Mathematical Sentence  **Solve:** Calculate  **Result:** Final Outcome  **Total:** Everything  **Total Cost:** Final Cost  **Achievable:** We can do this!  **Initial:** Beginning | **Multiply:** Increase or Fast Addition Symbols: “\*” or “x”  *Example:* 2\*2=4 or 2x1=2  **Add:** Increase. Symbol: “+”  *Example:* 2+2=4  **Subtract**: Decrease. Symbol “-“  *Example:* 2-2=0  **Divide:** Decrease or Fast Subtraction  *Example:* 2÷2=1 | | ***STEPS:***  **First**, you have to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **Then,** you need to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **Next**, you need to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **Finally**, you will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  **I need to work on** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_because  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  Special Notes: |