

Grade

6



# The Key Elements to Mathematics Success

## Student Lessons

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**SOLVE Rubric**

<b>Solve</b>	<b>Considerations</b>
<p><b>S</b> Underline the question(s). (1 pt) Answered the question “What is the problem asking me to find?” (2 pt)</p> <p>Total of 3 points</p>	
<p><b>O</b> All math facts are identified. (2 pts) Unnecessary facts are eliminated. (2 pts) Necessary facts are listed. (1 pt)</p> <p>Total of 5 points</p>	All facts get 2 points. Majority of facts get 1 point.
<p><b>L</b> No numbers used. (1 pt) Written as a phrase or sentence. (2 pts) Explained in a logical, sequential order. (2 pts) Use of correct operation(s). (2 pts)</p> <p>Total of 7 points</p>	Logical, sequential order would include correct order of operations.
<p><b>V</b> Make estimation. (2 pts) Number sentence matches plan from L. (2 pts) Computation is correct. (2 pts)</p> <p>Total of 6 points</p>	
<p><b>E</b> Sentence matches S. (1 pt) Estimate was reasonable for the answer. (1 pt) Answer is correct. (1 pt) Written in a complete sentence. (1 pt)</p> <p>Total of 4 points</p>	Credit is given for writing the answer in a complete sentence, even if it is not the correct answer.

**PROBLEM - SOLVING STORY FRAME**

Characters \_\_\_\_\_

\_\_\_\_\_

Setting \_\_\_\_\_

Action

Fact # 1 \_\_\_\_\_

Fact # 2 \_\_\_\_\_

Other Facts \_\_\_\_\_

\_\_\_\_\_

Outcome (Main Question)

\_\_\_\_\_

\_\_\_\_\_

The Problem:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### Problem Writing Rubric

		<b>Points</b>
<b>Characters</b>	1 point: Has a character	
	2 points: Has characters and uses them in problem	_____
<b>Scene</b>	1 point: Has a general scene	
	2 points: Has a scene in which the action takes place	_____
<b>Action (Facts)</b>	1 point: Has basic needed facts (min 2)	
	2 points: Includes more than 2 facts	
	3 points: Also includes unnecessary facts	_____
<b>Outcome (Question)</b>	1 point: Has very simple question	
	2 points: Has more complex 1 step question	
	3 points: Has a multi-step question	_____
<b>Total (max 10)</b>		_____

### Problem Writing Rubric

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