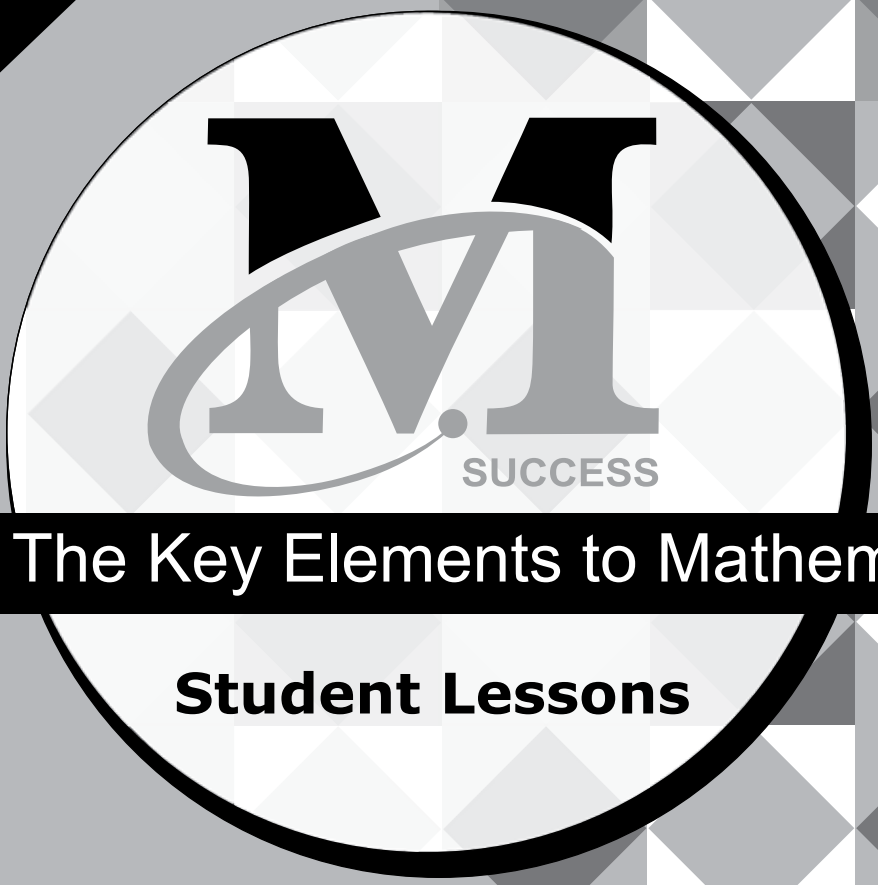
Grade
8



The Key Elements to Mathematics Success

Student Lessons

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SOLVE Rubric

Solve	Considerations
S Underline the question(s). (1 pt) Answered the question "What is the problem asking me to find?" (2 pt) Total of 3 points	
O All math facts are identified. (2 pts) Unnecessary facts are eliminated. (2 pts) Necessary facts are listed. (1 pt) Total of 5 points	All facts get 2 points. Majority of facts get 1 point.
L 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) Total of 7 points	Logical, sequential order would include correct order of operations.
V Make estimation. (2 pts) Number sentence matches plan from L. (2 pts) Computation is correct. (2 pts) Total of 6 points	
E 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) Total of 4 points	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

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

Problem Writing Rubric

		Points
Characters	1 point: Has a character 2 points: Has characters and uses them in problem	_____
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	Total (max 10)	_____