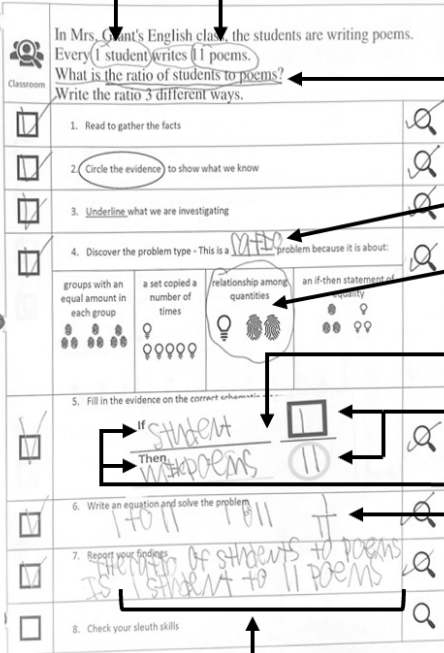


Supplemental File 1

Student Worksheet Examples and Operational Definitions

Operational Definition of Measured Behaviors	
NM = not measured; NC = not critical; c = critical	
	1. Read the word problem aloud.
	2. Circle all quantities and corresponding nouns (for ratio, two numbers and at least two nouns; for proportion, three numbers and at least three nouns).
	3. Underline components of the question for what they are solving for: the label (i.e., noun).
	4a. Write the appropriate problem type on the line.
	4b. Of the four choices, the correct problem type is indicated (e.g., draws circle, underlines, slash mark).
	5a. Selects the correct schematic diagram.
	5b. Fills out the correct, known quantities from the word problem on the schematic diagram.
	5c. Fills out the correct, known labels from the word problem on the schematic diagram.
	6. For ratio, answer is written three ways accurately with the unit quantities in the correct order; for proportion, equation is written with two equal sides with the variable.
	7a. Writes correct numerical response.
	7b. Writes correct label.
	8. Checked their independent work alongside the interventionist.