

The Crow and the Pitcher: A Linear Functions Investigation

CATEGORY	4: EXPERT	3: PRACTITIONER	2: APPRENTICE	1: NOVICE	SCORE
Diagrams and Sketches	Diagrams and/or sketches are clear and greatly add to the reader's understanding. A clear explanation relates the picture to the equation.	Diagrams and/or sketches are clear and easy to understand. An explanation of the patterns in the problem is given.	Diagrams and/or sketches are somewhat difficult to understand or limited in nature. Explanation is poor or missing.	Diagrams and/or sketches are difficult to understand or are not used.	
Table of Values	Table of values is correct, complete, and organized and includes all values requested in the problem. Table is labeled properly.	Table of values is correct, and organized and includes most values requested in the problem. Table is labeled properly.	Table of values is included but is incomplete and/or incorrect.	Table of values is incorrect or difficult to understand, or is missing.	
Graph	Graph is correct, complete, neat, and organized. Graph is labeled and numbered properly. Correct decisions are made regarding scale	Graph is correct, complete, neat, and organized. There are minor problems with labeling, numbering, or scale,	Graph has some minor errors, and /or is not labeled or numbered properly.	Graph has major mistakes in values or labeling or numbering or scale.	
Equation	Equation is correct, and there is a thorough explanation making connections between the parts of the equation and the elements in the problem.	Equation is correct, but is not correctly or thoroughly explained.	Parts of the equation are incorrect or not properly explained.	The equation is completely incorrect or missing.	
Written Explanation	Explanation is detailed and clear and greatly adds to the reader's understanding of the problem. It answers all questions posed in the problem.	Explanation is clear and answers all of the questions posed in the problem.	Explanation is somewhat difficult to understand, but includes critical components.	Explanation is difficult to understand and is missing several components or was not included.	
Neatness and Organization	The work is presented in a neat, clear, organized fashion that is easy to read and eye-catching.	The work is presented in a neat and organized fashion that is usually easy to read.	The work is presented in an organized fashion but may be difficult to read at times.	The work appears sloppy and unorganized. Conclusions are not clear to the reader.	