

Chapter 2 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of how to collect data, construct a table of values and scatter plot, and draw a line of best fit 	<ul style="list-style-type: none"> demonstrates some knowledge of how to collect data, construct a table of values and scatter plot, and draw a line of best fit 	<ul style="list-style-type: none"> demonstrates considerable knowledge of how to collect data, construct a table of values and scatter plot, and draw a line of best fit 	<ul style="list-style-type: none"> demonstrates a thorough knowledge of how to collect data, construct a table of values and scatter plot, and draw a line of best fit
Thinking	<ul style="list-style-type: none"> uses planning and critical thinking processes with limited effectiveness 	<ul style="list-style-type: none"> uses planning and critical thinking processes with some effectiveness 	<ul style="list-style-type: none"> uses planning and critical thinking processes with considerable effectiveness (e.g., poses problem, identifies variables, constructs hypothesis, designs and carries out data collection, describes trends in data, makes inferences, compares inferences with hypothesis, and explains differences) 	<ul style="list-style-type: none"> uses planning and critical thinking processes with a high degree of effectiveness (e.g., poses problem, identifies variables, constructs hypothesis, designs and carries out data collection, describes trends in data, makes inferences, compares inferences with hypothesis, and explains differences in detail)
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary and notation with considerable effectiveness (e.g., expresses solutions in an organized manner) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., expresses solutions in a clear and detailed manner)
Application	<ul style="list-style-type: none"> applies knowledge of inquiry and graphing to this context with limited effectiveness 	<ul style="list-style-type: none"> applies knowledge of inquiry and graphing to this context with some effectiveness 	<ul style="list-style-type: none"> applies knowledge of inquiry and graphing to this context with considerable effectiveness (e.g., uses tools to construct scatter plots and curves of best fit) 	<ul style="list-style-type: none"> applies knowledge of inquiry and graphing to this context with a high degree of effectiveness (e.g., uses appropriate tools to construct scatter plots and curves of best fit)