

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Task: Not Fatal Rubric

BLM 6-11

Category	Level 1	Level 2	Level 3	Level 4
<b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>carries out a simulation of the scenario</li> <li>uses the data to create a scatter plot</li> <li>predicts the time for 1600 people to all be recovered</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates limited understanding of performing a simulation and graphing the data</li> <li>makes an unreasonable prediction</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates some understanding of performing a simulation and graphing the data</li> <li>makes an unreasonable prediction but tries to justify the answer</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates considerable understanding of performing a simulation and graphing the data</li> <li>makes a reasonable prediction.</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates thorough understanding of performing a simulation and graphing the data</li> <li>makes a reasonable and justified prediction</li> </ul>
<b>Thinking</b> <ul style="list-style-type: none"> <li>prepares a plan to solve the problem</li> <li>carries out the plan</li> </ul>	<ul style="list-style-type: none"> <li>needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow</li> </ul>	<ul style="list-style-type: none"> <li>needs some assistance to begin organizing a plan and needs some steps to follow</li> </ul>	<ul style="list-style-type: none"> <li>needs minimal assistance to organize and implement an effective strategy</li> </ul>	<ul style="list-style-type: none"> <li>needs no assistance to organize and implement an effective strategy</li> </ul>
<b>Communication</b> <ul style="list-style-type: none"> <li>correctly uses mathematical language</li> <li>clearly explains and fully justifies solution</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language in some of the solution</li> <li>does not clearly explain or justify solution</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language throughout most of the solution</li> <li>explains and justifies solution somewhat</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language throughout the solution</li> <li>explains and justifies solution fully</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language throughout the solution</li> <li>explains, justifies and shows insight into the complexities of the solution</li> </ul>
<b>Application</b> <ul style="list-style-type: none"> <li>determines an equation to model the curve of best fit</li> <li>justifies the prediction algebraically</li> <li>explains the use of a logarithmic model</li> <li>produces another similar situation to be modeled</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information ineffectually, by determining an inappropriate model, by not justifying the prediction algebraically</li> <li>does not make connections with the logarithmic model and produces an inappropriate example of another situation</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information somewhat effectually, by determining a model, and by justifying the prediction algebraically with few errors</li> <li>makes partial connections with the logarithmic model and produces an example of another situation</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information with considerable effectiveness, by determining an appropriate model, and by justifying the prediction algebraically</li> <li>makes connections with the logarithmic model and produces an appropriate example of another situation</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information with a high degree of effectiveness, by determining an appropriate model, and by fully justifying the prediction algebraically</li> <li>explains the connections with the logarithmic model and produces an interesting example of another situation</li> </ul>