

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

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

**BLM 2-8**

## Section 2.4 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
<b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>Predicts the number in a sample, given the probability.</li> <li>Shows some understanding of survey methods.</li> </ul>	Demonstrates limited understanding of using probability to predict the number in a sample. Has no reasonable answer for part b).	Demonstrates some understanding of using probability to predict the number in a sample. Has an answer for part b).	Demonstrates considerable understanding of using probability to predict the number in a sample. Has a reasonable answer for part b).	Demonstrates thorough understanding of using probability to predict the number in a sample. Has a reasonable and well thought out answer for part b).
<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>	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
<b>Communication</b> <ul style="list-style-type: none"> <li>Clear explanations and full justifications.</li> </ul>	Does not clearly explain or justify solution.	Explains and justifies solution somewhat.	Explains and justifies solution fully.	Explains, justifies and shows insight into the complexities of the solution.
<b>Application</b> <ul style="list-style-type: none"> <li>Researches the problem.</li> <li>Develops a question based on the research.</li> </ul>	Researches the problem ineffectively and has difficulty developing a question based on the research.	Researches the problem somewhat effectively and has some difficulty developing a question based on the research.	Researches the problem with considerable effectiveness and has little difficulty developing a question based on the research.	Researches the problem with a high degree of effectiveness and has no difficulty developing a question based on the research.