

Name: _____ Class: _____ Due Date: _____

When solving the following problem, be sure to:

- 1) Restate the question
- 2) State your answer in a complete sentence (reference the question).
- 3) Explain your solution strategy and include your calculations/work.

POW - A Cranberry Craving

On Thanksgiving Thursday Carissa ate some cranberries. The next day she couldn't stop thinking about how good the cranberries were and ate seven more cranberries than she had eaten on Thursday. Each day after that she ate seven more cranberries than the day before. By the following Wednesday night she had eaten a total of 161 cranberries for the whole week.



How many cranberries did Carissa eat on Thanksgiving Thursday?

Bonus: Since Carissa would probably get sick eating so many cranberries, let's pretend. If she were to continue this pattern, each day eating seven more cranberries than the day before, on which day would she eat 499 cranberries for her daily total?

Please answer the problem on a separate piece of paper. You must include all your calculations and an explanation of how you got your answer. Your paper will be scored in the following way:

- 4 The answer and the bonus are correct, you have included all your calculations, and the explanation is thorough and understandable.
- 3 The answer is correct, you have included all your calculations, and the explanation is complete and clear to the reader.
- 2 The answer is missing one of the items mentioned above.
- 1 The answer is incorrect, and the explanation or calculations are poor or missing.
- 0 Minimal or no effort was made to solve the problem.
- All late work is marked down a grade.