PERFORMANCE TASK **Your score of out 8 points: _____**

Ella, the cafeteria manager, has to be careful with her spending and manages the cafeteria so that they can serve the best food at the lowest cost. To do this, Ella keeps a good record and analyzes all of her budgets. Help Ella serve up some Ella good food!

1. Ella's cafeteria has the little baby milks that are typical of school lunch. The milk supplier charges $0.35 per carton of milk, in addition to a deliver charge of $75. What is the maximum number of milk cartons that Ella can buy if she has budgeted $500 for milk?

    a. Write and solve an inequality that models this situation.

    b. Describe in words the quantities that would work in this situation.

    c. Ella's assistant manager, Stella, didn't check with Ella and ordered 1200 baby milks. Will they have enough money in their budget to pay for the baby milks?

2. Students love to put ranch dressing on everything, so Ella needs to keep plenty in stock. The students eat about 2.25 gallons of ranch each day! Ella started the school year with 130 gallon of ranch dressing. She needs to have at least 20 gallons left when she reorders to have enough in stock until the new order comes. For how many days will her ranch dressing supply last before she needs to reorder?

    a. Write and solve an inequality that models this situation.

    b. Describe in words the quantities that would work in this situation.

    c. Stella is super lazy and plans on reordering in 49 days. Is that coolio?

SCORING RUBRIC

Description	Points	Total Points
1. a. Student gives correct inequality: $0.35m + 75 \leq 500$ Student gives correct solution: $m \leq 1214.29$	1 1	2
b. Student uses words to describe the solution: Ella can order 1214 milks or less	1	1
c. Student gives correct answer with explanation: Yes! $1200 \leq 1214$	1	1
2. a. Student gives correct inequality: $130 - 2.25d \geq 20$ Student gives correct solution: $d \leq 48.\overline{8}$	1 1	2
b. Student uses words to describe the solution: The Ranch will last for 48 days or less before needing to be reordered	1	1
c. Student gives correct answer with explanation: No! $49 > 48$	1	1
TOTAL POINTS (possible points = 8 points)		