Welcome to Debski's Dinner

Menu Math
Team Challenge
Explain Your Thinking

Debski's Diner Challenge

Debski takes a lot of supplies with her to Nome for the end of the Iditarod Race. Complete each math challenge for some of the food items on her menu. You can earn up to 5 points for each correct answer. You will working in teams to solve each challenge question. Your total points could equal +20. Good Luck!
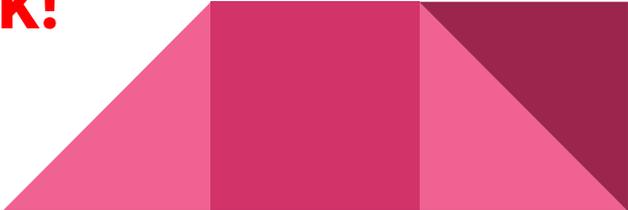
Challenge #1 (+5 pts for explanation of thinking)

Debski takes the following to Nome at the end of the race. Notice the size and amount for each. How many hamburgers do you think she makes? How many hot dogs are distributed to the mushers and volunteers? How do you know?

Item:	Size	To Nome
80% lean ground beef (20%) fat	2 lbs.	46
Hamburger Buns	12 oz	10
Bar-s Frank Meat Bun Length	3 lbs	2
Hot Dog Buns	12 oz	26

This is an opportunity for student discussion using math practices "critiquing the reasoning of others."

Challenge #2 (+5 pts for explanation of thinking)

Debski also takes the following condiments to Nome. Notice the size and amount for each. Which ingredient is she predicting will get used the most on the hamburgers and/or hot dogs? How do you know? Think about challenge #1.

Item:	Size	To Nome
Ketchup	32 oz.	10
Mustard	14 oz	1
Mayo	30 FZ	3
Chopped Onions	12 oz	8

This is an opportunity for students to share background knowledge of how many burgers or hot dogs will be eaten.

Challenge #3 (+5 pts for explanation of thinking)

Debski takes the following items to make sandwiches. How many peanut butter and strawberry jelly sandwiches, tuna sandwiches and turkey breast sandwiches is she planning on making? BREAK EACH ITEM UP WITHIN YOUR TEAM.

Item:	Size	To Nome
Turkey Breast	16 oz.	11
Strawberry Preserves	32 oz	1
Tuna Chunk Light	12 oz	20
Peanut Butter	16 oz	9
Bread - Wheat	22 oz	20

REMEMBER TO LOOK AT THE AMOUNT OF BREAD SHE IS BRINGING.

Challenge #4 (+5 pts for explanation of thinking)

Debski takes the following beverages to Nome. Based on what Debski has provided in past years, which beverage is more popular with the mushers and volunteers? How do you know? Explain your thinking.

Item:	Size	To Nome
Tang - Orange	72 oz.	4
Coffee	30.5 oz	11
Minute Maid Juice	6-10 FZ	3
Tea Bags - Black	100 ct.	2
Hot Cocoa	10-1 oz	20

Team discussion to be shared with the class.

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How did your team do?

EXIT TICKET:
How does Debski know how much to take of each item to Nome yearly? Does this years food supply differ from last years? Why?