Britinie is planning a vacation to New York City with her best friend. Britinie earns $8.00 per hour at her part-time job and can save $30 a week towards the trip. She has budgeted $500 for the trip including bus fare, hotel, and food. The cost of their hotel room is $130 per night which they will split evenly. The Yo! bus costs $10 each way. Britinie plans to spend $50 a day on food.

- Britinie is just starting to save money for the trip and needs to know how many weeks it will take her to save enough money so she knows the earliest she can go on this vacation. How many weeks will it take her to save enough for the trip? How many months is that?

- What is the maximum number of days Britinie can afford to stay in New York and have enough for all her expenses including bus fare, hotel, and food? Show your work.

- At the last minute, Britinie learns that the hotel room will actually cost $150 per night. How can she adjust her budget to spend the same number of nights in New York City and cover all her expenses?

Be prepared to explain your work. Did you use any diagrams to understand the problem? Was there something else that you did that helped? What did you try that wasn't as useful? What were your "a-ha" moments? If you used division, which type or types of division situations were happening? How did you recognize the type or types? If you used a calculator or some other tool, when did you use it and how?