Analysis Questions

**LINE GRAPHS #1**

1. What kind (type) of graph is this?
2. What is the title of this graph?
3. What does line graph show?
4. How many students are represented in this sample? (Hint: Can you really tell?)
5. What kinds of ice cream sandwiches are included in this data? Can you tell?
6. How many ice cream sandwiches were sold on Monday?
7. How many ice cream sandwiches were sold on Tuesday?
8. How many ice cream sandwiches were sold on Wednesday? Thursday? Friday?
9. How many ice cream sandwiches were sold for the whole week?
10. When looking at the week, what percentage of ice cream sandwiches were sold on Monday? Tuesday? Wednesday? Thursday? Friday?
11. On which day was the greatest number of ice cream sandwiches sold? The least?
12. Based on the data in the graph, is this statement true? More ice cream sandwiches were sold on Tuesday than Wednesday.
13. Based on the data in the graph, is this statement true? The number of ice cream sandwiches sold on Friday was a bit over half of that sold on Tuesday.
14. What is the range of values in the vertical scale?
15. What is the range of the number of ice cream sandwiches sold?
16. What is the average number of ice cream sandwiches sold for the week?
17. What was the highest value recorded? The lowest?
18. In this school, frozen foods are delivered on Wednesdays at about ten in the morning. What are some of the data points the cafeteria manager should look at when making her order?
19. What is the scale on the vertical axis?
20. Was there an increase or a decrease in the number/percent of ice cream sandwiches sold from Monday to Tuesday?
21. Based on the data in the line graph, what day of the week do you recommend for having the delivery of ice cream sandwiches next year? (Of course assuming this is a typical week of ice cream sales.)

**ADD YOUR OWN QUESTIONS:**

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Ice Cream Sandwiches Sold in the Cafeteria

Number of Ice Cream Sandwiches

Days of the Week

Monday, Tuesday, Wednesday, Thursday, Friday
1. What kind (type) of graph is this?
2. What is the title of this graph?
3. What does line graph show?
4. Is the distance in this graph given in miles or kilometers? How do you know?
5. What is the scale for the y axis on this graph?
6. What is the scale on the horizontal axis of this graph?
7. How many total miles did Mrs. Simmons drive?
8. At hour 2, how many miles had Mrs. Simmons driven?
9. At hour 1, how many miles had Mrs. Simmons driven?
10. About how many miles had Mrs. Simmons driven at hour 4? At hour 6? At hour 8?
11. About how many miles did Mrs. Simmons drive during the first two hours?
12. About how many miles did Mrs. Simmons drive during the second two hours?
13. About how many miles did Mrs. Simmons drive during the third two hours? The last two hours?
14. How many hours did this trip take?
15. What is the total distance shown between hours 2 and 4?
16. What is the total distance shown between hours 3 and 5?
17. What is the total distance shown between hours 2 and 3?
18. About how long did it take Mrs. Simmons to drive 300 miles?
19. About how long did it take Mrs. Simmons to drive 200 miles?
20. Based on the data in this graph, did Mrs. Simmons drive straight through or make stops along the way?
21. If Mrs. Simmons started her drive at 10:00 a.m., what time would she arrive at her destination?

**ADD YOUR OWN QUESTIONS:**