Name_____ Date_____

Algebra
Unit 1 Line Master 7a

Comparing Yemi and Sani's Spending Graphically

- Yemi has saved $105 and will spend $8 each day.
- Sani has saved $90 and will spend $5 each day.

1. Complete the tables showing how much money each child will have left at the end of the first 3 days.

Yemi

Day number	Money left ($)
0	
1	
2	
3	

Sani

Day number	Money left ($)
0	
1	
2	
3	

Name_____ Date_____

Algebra
Unit 1 Line Master 7b

Comparing Yemi and Sani's Spending Graphically (cont'd)

2. a) What is the initial value of the pattern representing Yemi's spending?

b) What is the constant change in the pattern?

c) Write an equation describing how much money, *y*, Yemi has left after *x* days.

d) Repeat parts a) to c) for the pattern representing Sani's spending.

Name_____ Date_____

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Comparing Yemi and Sani's Spending Graphically (cont'd)

3. a) Graph the points from each table of values in Question 1 on the grid below.
   b) Join each set of points on your graph with a line. Use a ruler to extend the lines until they intersect. What are the coordinates of the point where the lines intersect?
   c) What is the meaning of the point where the lines intersect?