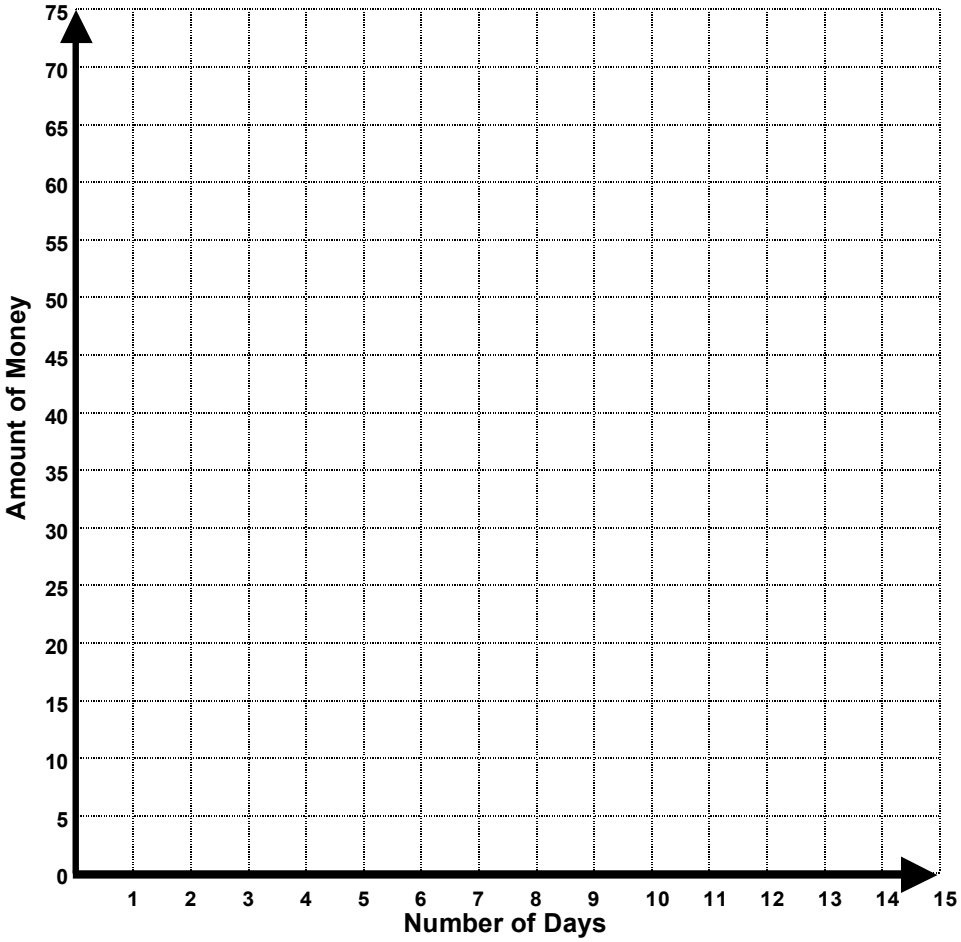
Bank Account (Part 1) Name _____

Suppose your mom is opening a savings account for you. She is going to deposit $10 in your account each day. How much money will you have at the end of 5 days? At the end of 7 days? Use what you know to solve this problem.

Number of Days	Amount in the Bank
0	0
1	

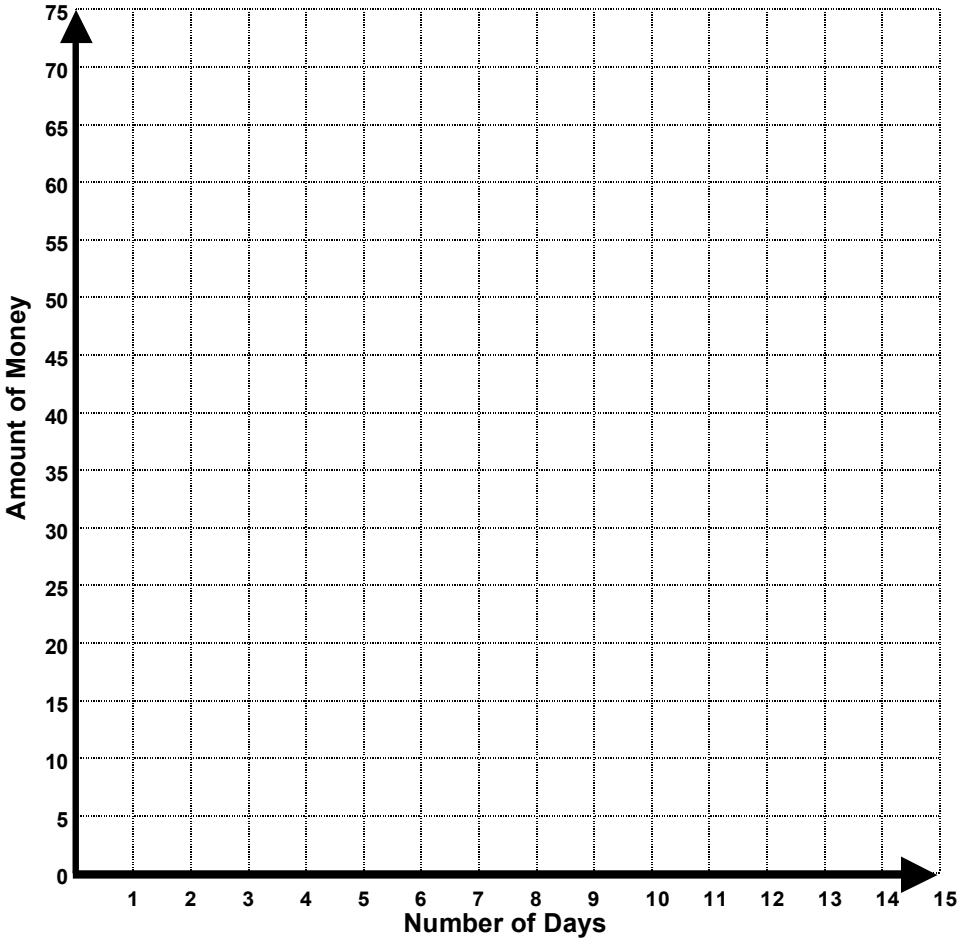


What do you notice about the points on the graph? Why do they look that way?

Bank Account (Part 2) Name _____

Suppose your mom goes to a different bank and gets a different offer. With this offer, your mom is going to deposit $1 in your account to start you off. The bank doubles the balance each day. How much money will you have at the end 5 days? At the end of 7 days?

Number of Days	Amount in the Bank
0	0
1	



What do you notice about the points on the graph? Why do they look that way?

How much money will you have in each of the two accounts after 8 days?

How much money will you have in each of the two accounts after 2 weeks?

Bank Account (Part 3) Name _____

Examine the two graphs carefully to answer the following.

1. What are two similarities between the two graphs?

2. What are two things different about the two graphs?

3. Make up your own problem that would have a graph similar to the first problem.

4. Make up your own problem that would have a graph similar to the second problem.

5. What are some main characteristics that determine how a graph looks?