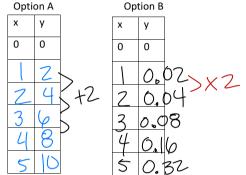
Warmup

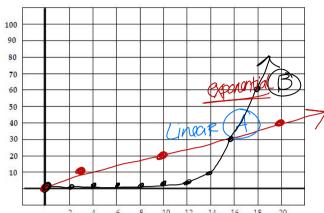
Linear and Exponential

Given the following scenarios, you are to compare which method is better.

- a. Two dollars for each bag of leaves
- b. Two cents for one bag, 4 cents for 2 bags, 8 cents for 3 bags, and so on with this amount doubling for each additional bag.

Create each explicit equation. Create a table for each option.





Graph each table on the graph provided.

Be sure to label A and B.

1) If Celia rakes 5 bags of leaves, which method does she opt for? Why?

A-\$10 B-\$40.32

2) What if she rakes 10 bags of leaves? $A \rightarrow 20$ $B \rightarrow 0.02(Z) = 310.24$

2(12) =24

 $0.02(2)^{12-1} = 40.96$

4) Describe the difference in payment plans. What do you notice about the growth of each one? Put down ALL

 $0.07(2)^{100-1} = 1.27 \times 10^{28}$

A \rightarrow (onstant Pate \rightarrow +2 B \rightarrow exponential \times 28 = 1.27 ×10 | 27