

\$AVING MONEY

Your Name

Your Period



SAVING MONEY

Everyday on her way home from school, Samantha uses \$1 to buy a bag of chips.

The chips cost \$0.75, and she saves the remaining quarter in her change jar.

Samantha buys 5 bags of chips per week.



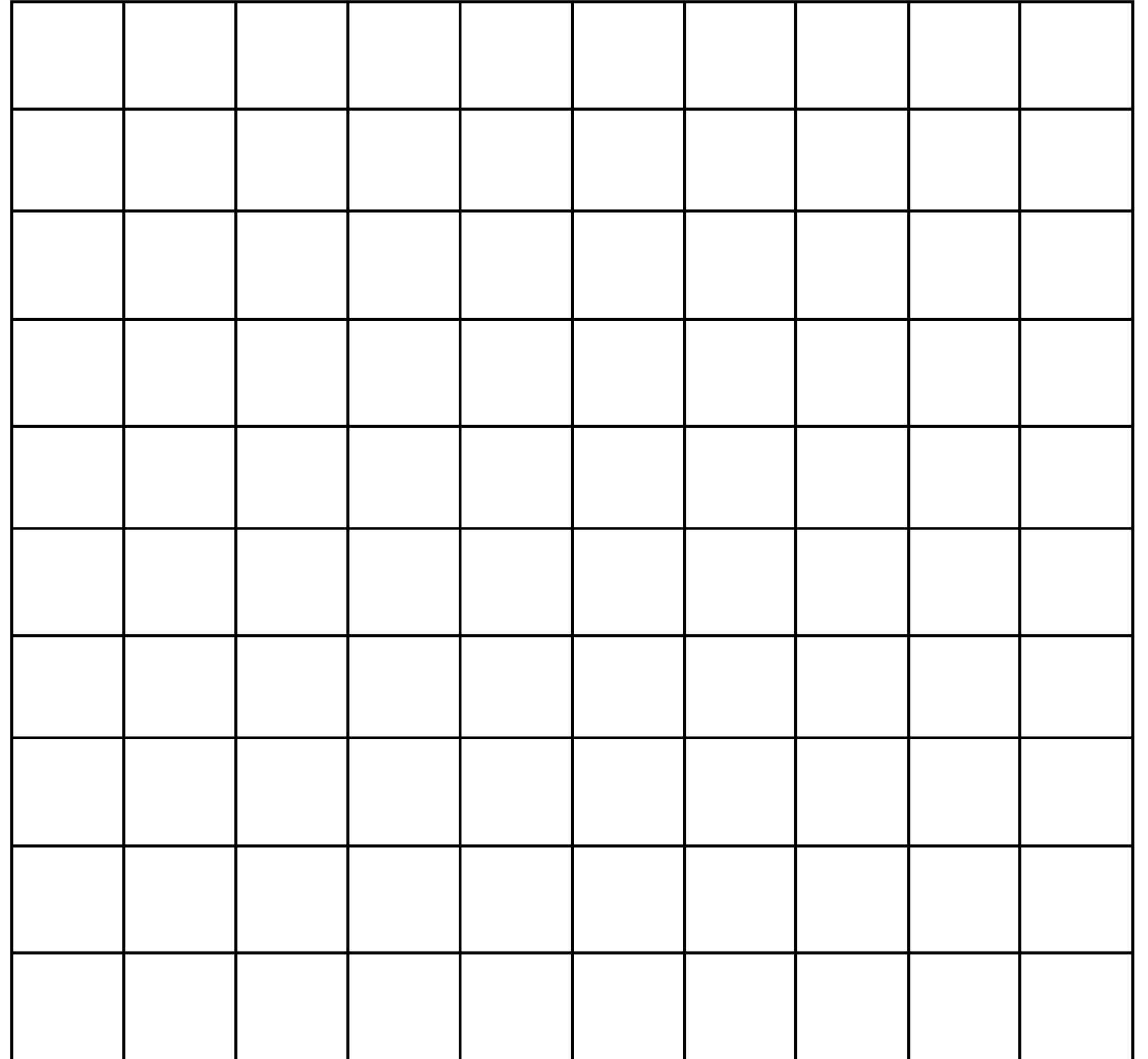
PART A

1. How much money does Samantha save each week?
2. At this rate, how long will it take her to save \$10.00?
3. Write an equation to show how much money, y , Samantha will save after any number of weeks, x



PART B

4. Create a graph to represent this relationship.



SAVING MONEY

Aiden is also trying to save money. He already has \$3.00 saved and puts \$1.00 per week away in his piggy bank.

This can be represented by the equation
 $y = 1x + 3$



PART C

5. Will Samantha or Aiden save \$20.00 first? Justify your reasoning.

Your answer goes here

PART D

6. Imagine you have made a graph to represent the money Aiden has saved. Explain why Aiden's line does not start at the origin and Samantha's line does start at the origin.

Your answer goes here