

## The Piggy Game

What will happen to the amount of money in my piggy if I save then spend money using certain rules?

Your job is to put money, represented by pennies (or something else to represent pennies, e.g. beans), into the “piggy bank” then take money out following certain rules. You will keep track of the money in the piggy on a graph. You have ten “pennies” at the beginning.

**Game #1 Rule:** Put 2 “pennies” in, take 1 “penny” out

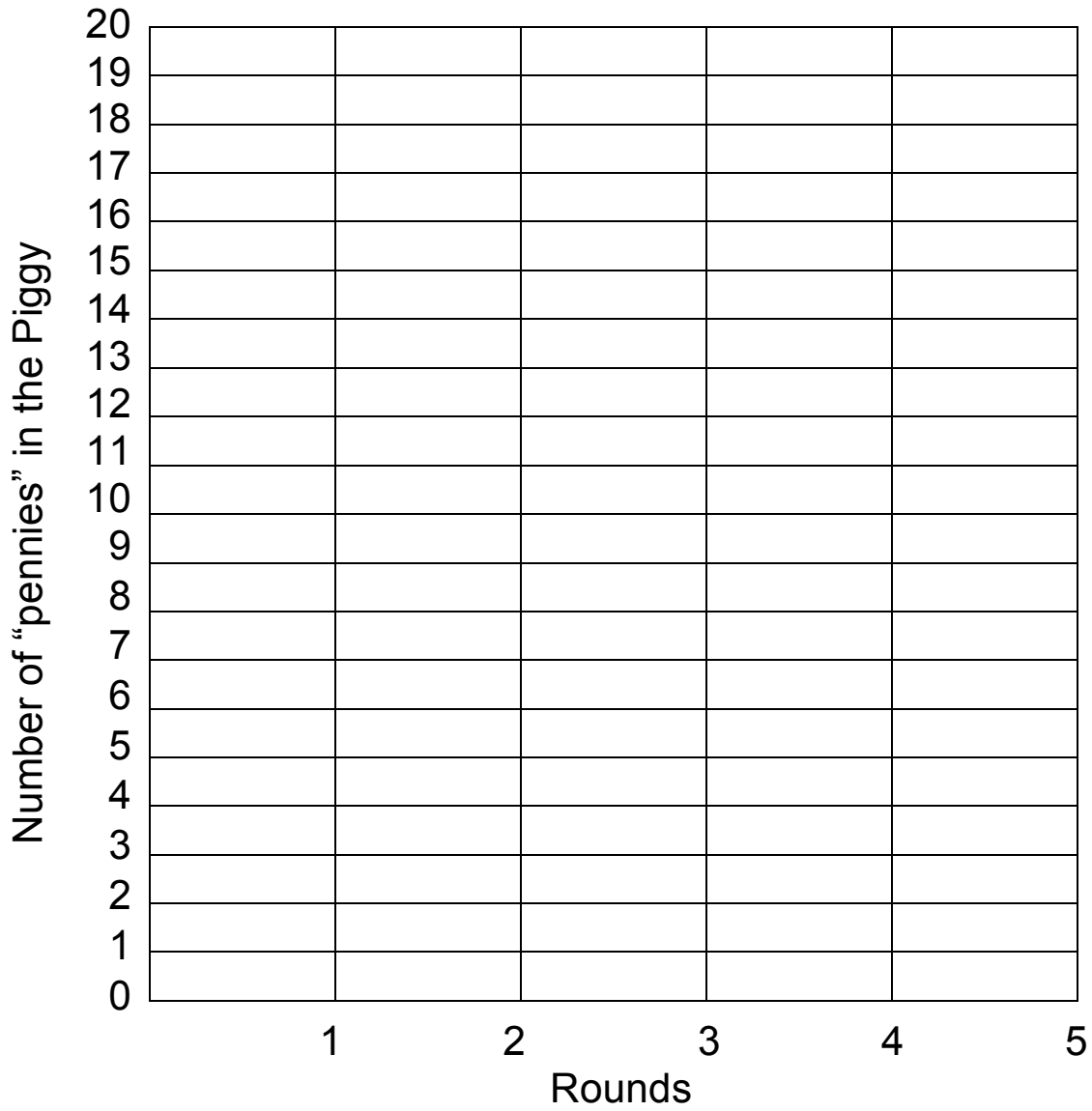
**Directions:**

1. Write the rule at the top of the graph for Game 1.
2. Graph the number of “pennies” in the piggy before you begin.
3. Write your prediction.
4. Round 1: Using the piggy handout, put 2 “pennies” in, and then take 1 out.
5. Graph the number of “pennies” left in the piggy on the line for round 1.
6. Round 2: Add two more “pennies”, then take 1 away, graph... continue doing so for 3 more rounds; record the number of “pennies” left at the end.
7. Was your prediction correct? Why or why not?

**Game #2:** Make a new rule to save more money than in the first game but that can still be seen on the graph.

**Game #3:** Make a new rule with money going in and out that shows how money can decrease (go down) over time.

## My Piggy Graph



Game #1 Rule:	
Prediction:	
Actual Amount:	
Game #2 Rule:	
Prediction:	
Actual Amount:	
Game #3 Rule:	
Prediction:	
Actual Amount:	