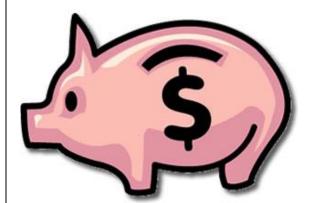
### Materials:

- paper bag or container
- 1 \$10 bill
- 2 \$5 bills
- 2 \$1 bills
- partner
- recording or results sheet
- pencil

#### Procedure:

- 1. get a partner
- 2. gather materials
- 3. place all bills in paper bag
- 4. shake the paper bag
- 5. pull 2 bills without looking
- 6. record amount on results sheet
- 7. put all bills back in paper bag
- 8. repeat steps 3-7 nine more times

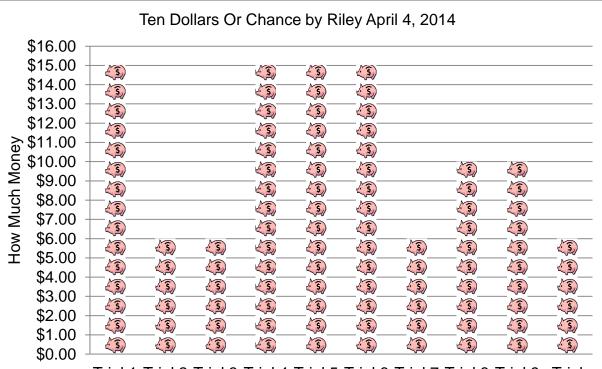
Riley April 23, 2014



## How Much Allowance? Probability Investigation

Purpose: Would it be better to earn \$10 a week for doing chores around the house?

Hypothesis: I think earning \$10 each week will help me save the most money towards the purchase of a car.



Trial 1 Trial 2 Trial 3 Trial 4 Trial 5 Trial 6 Trial 7 Trial 8 Trial 9 Trial 10

Bills Pulled Trials

#### Results:

During the trial of pulling 2 bills I found that there were different amounts of money pulled, but most of the time we pulled the same amount of money.

#### Conclusion:

In the end of the project I noticed that the trial part was where we pulled the same bills most of the time. But the results definitely varied. Even though the results may have varied I still stick with my hypothesis choice.

# Additional Questions or Comments:

What surprised me the most was that we pulled mostly \$15 and that we did not pull every possible amount. This surprised me the most because I did not pull every possible bill. This is because I didn't think that would happen.