

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

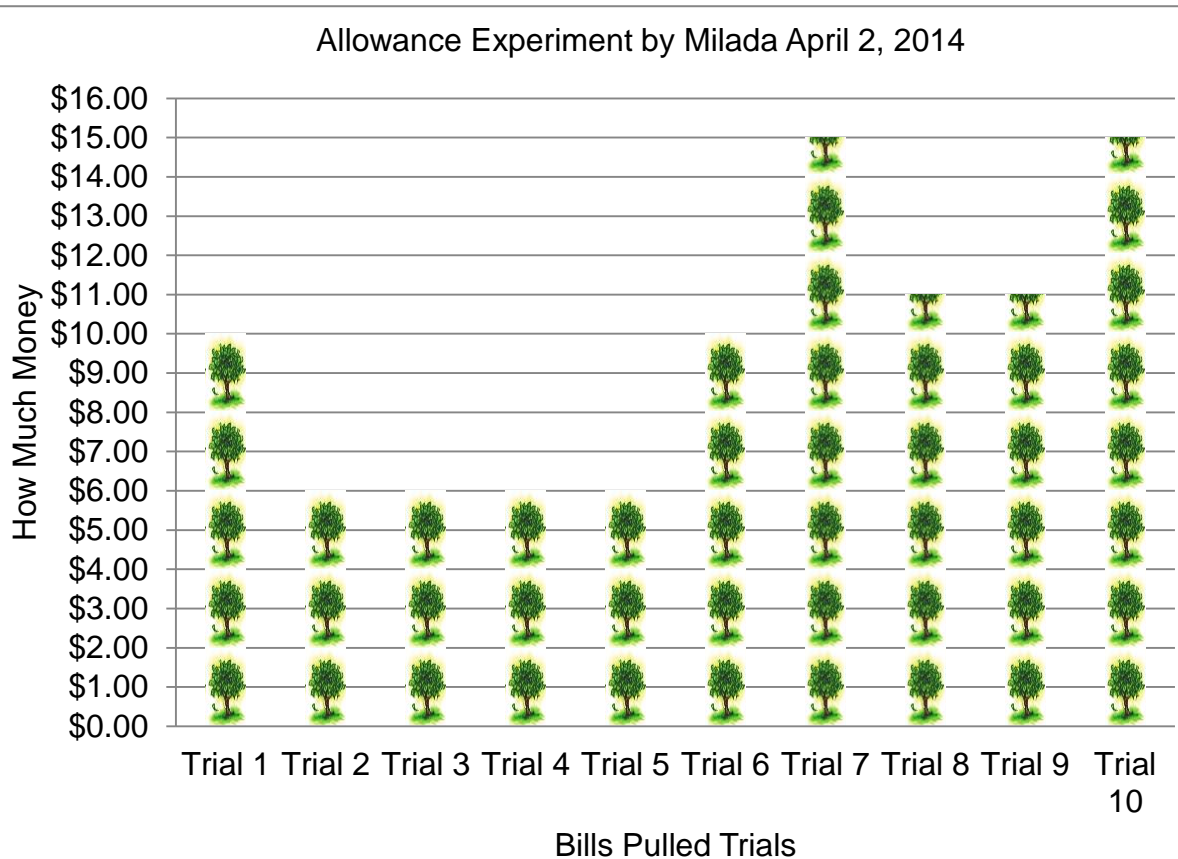
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How Much Allowance? Probability Investigation

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

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



Results:

I observed that after the first 5 tries the money started to increase. I also observed that most of the money that my group pulled out of the bag was \$6. Finally, I observed that most of the 2 bills contained a \$5 bill.

Conclusion:

In conclusion, my results started to increase after five tries.

Additional Questions or Comments:

I was surprised by how the money increased towards the end. This surprised me because there was only one 10 dollar bill.