



FINGER FOOTBALL

Scientific Method Review



QUESTION: Which finger football should I use to score the most points in a finger football game?

HYPOTHESIS: IF I use the (small / large) finger football, THEN I will score (fewer / more) points in a finger football game.

RESEARCH: (Using the list of websites on my webpage, please write a brief explanation of what finger football is and a simple set of rules.)

MATERIALS:

** Finger Football Field

** One piece of paper 3 centimeters wide

** One piece of paper 5 centimeters wide

SAFETY:

We were careful to follow the directions and not use the finger footballs inappropriately.

We will keep our finger footballs in our Science/ Technology folders until the activity is completed.

PROCEDURE:

1. Locate all material needed.
2. Make the two finger footballs.
Watch Mr. Lopez's video for instructions on how to fold the finger footballs.
3. Flick the football by placing the football on a pointed corner and flick it with your thumb and index (pointer) finger or thumb and middle finger.
4. Allow each person to practice "kicking" each folded football.
5. Remember that each person will collect his or her own data.
6. Flick the football the same way each time, so that you do not accidentally introduce another INDEPENDENT VARIABLE!
7. Record the points depending upon where the finger football lands. IF the ball lands on a line, record the number of points where the larger half of the football lies. IF the ball is situated evenly on the line, re-kick the ball. If the football does not land on the field, you must re-kick.
7. Repeat #6 and #7 until each person has collected data for fifteen (15) trials.
8. Calculate the average for the small and large finger footballs. PLEASE use a calculator to be accurate (round to a whole number, no decimals)!

OBSERVATIONS: Write two things you observed while completing this activity: (for example, what was difficult or unexpected, what went well, what did you do to ensure accuracy?)

QUESTIONS: Write one question that you had during this activity (must be related to playing finger football)

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INDEPENDENT VARIABLE?

DEPENDENT VARIABLE?

CONTROL VARIABLES?

List three control variables

CONCLUSION:

My hypothesis was correct / not correct. I thought that by using the small / large finger football, I would have better accuracy (a higher score) than when using the small / large finger football.

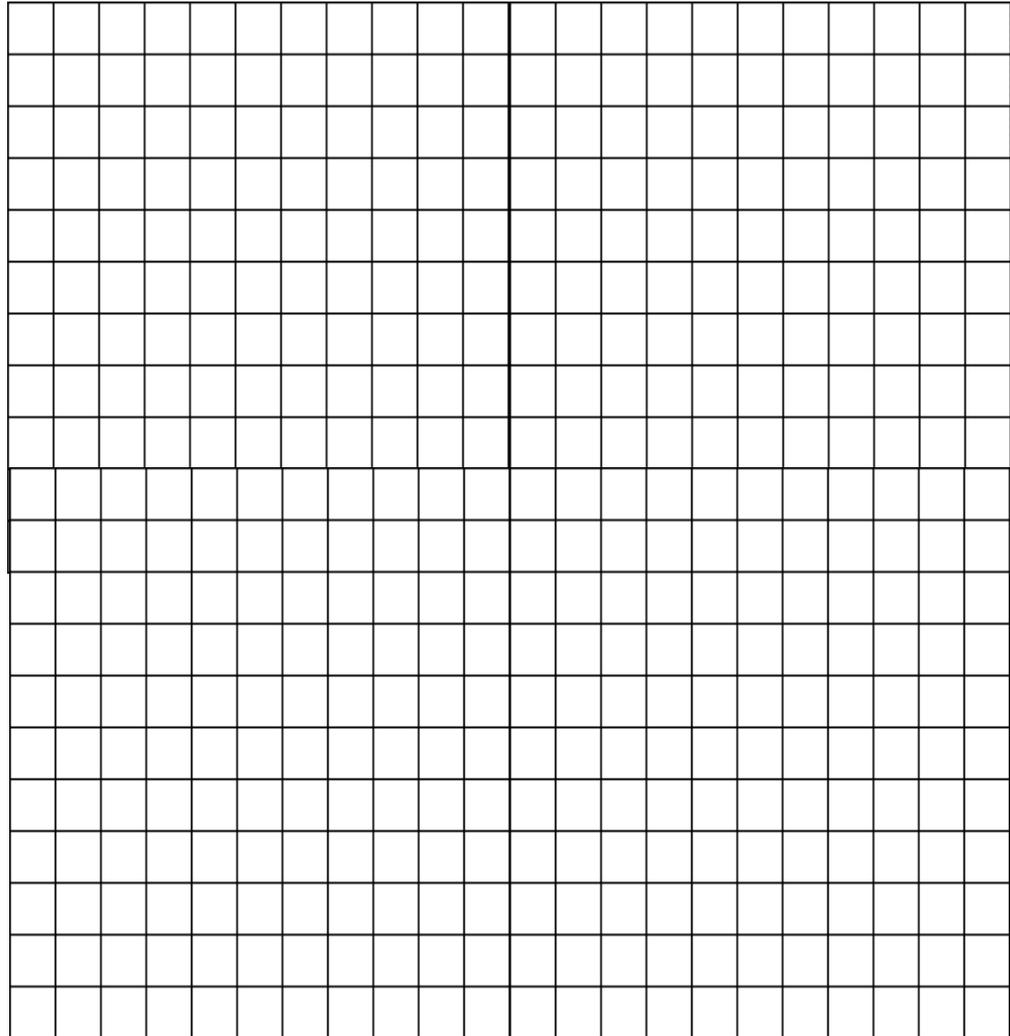
What could you have done to make this study better?

What is another hypothesis related to finger football that could be applied here? (for example: would there be a difference between scores for boys or girls; between scores playing standing up or sitting down)...REMEMBER IF _____, then _____. Format!!

DATA:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVG
LG																
SM																

GRAPH:



REMEMBER!!! Your graph should have the following parts:

- title
- labels (both axes)
- scale (both axes)
- key