

Samlan16 Experimental Design Test

Disclaimer: This test is for the sole purpose of practice and is not to be used as a substitute for an official test at any level of competition.

You have 50 minutes to perform an experiment, clean up, and write a full lab report as specified by the rules. There is no theme, and the following materials are available for your use:

- 1 pair black tights
- 2 feet black ribbon
- 1 square foot black fabric
- 1 square foot white fabric
- 1 square foot cardboard
- 1 bouncy ball
- 1 yard yarn
- Hole punch
- Scissors

Additionally, any permitted outside materials (i.e. timers, rulers, and calculators) may be used. Now go party.

1. Statement of Problem (4)

2. Hypothesis (8)

3. Variables:

a. Controls (8)

b. Independent Variable (6)

c. Dependent Variable (6)

4. Standard of Comparison (4)

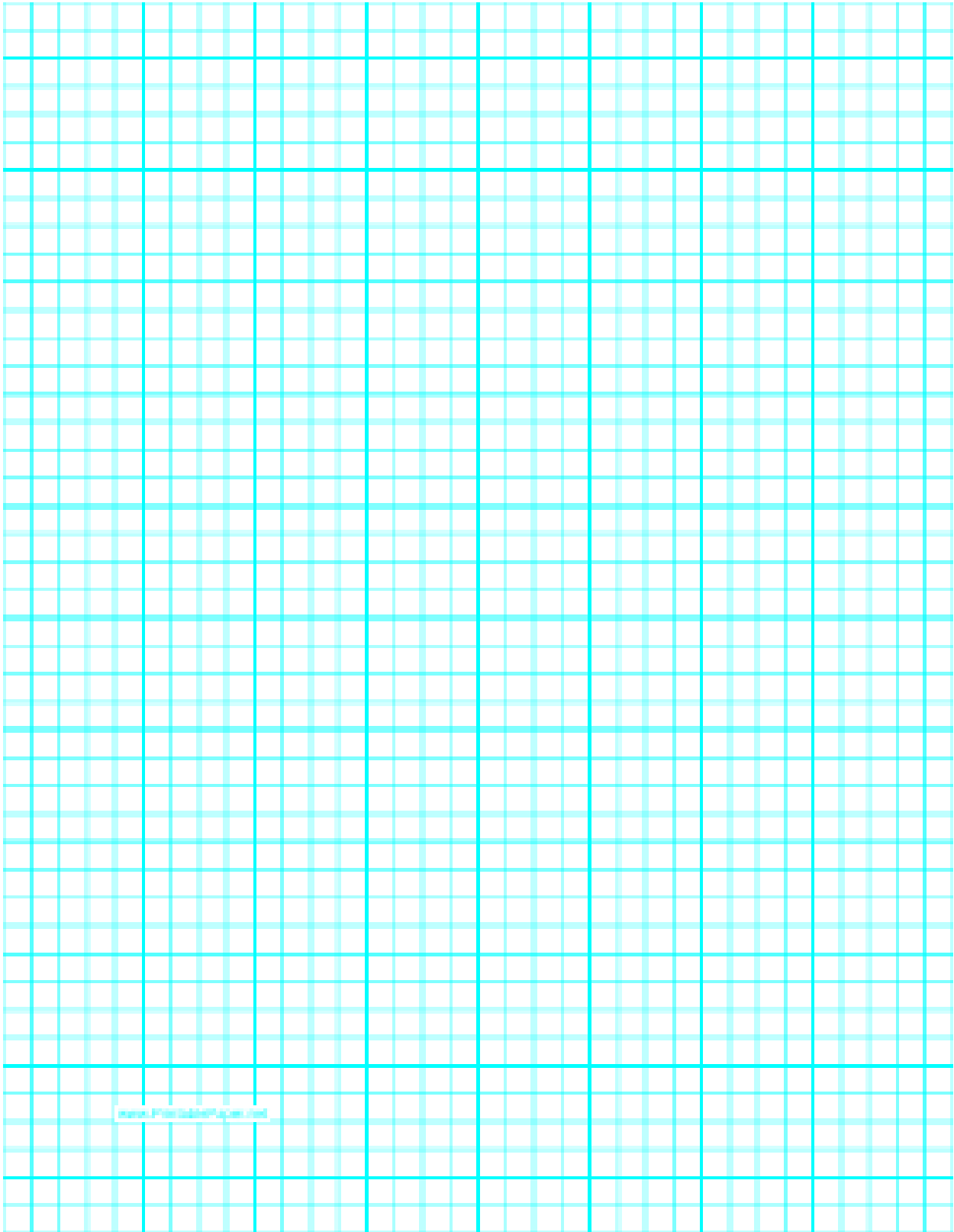
5. Materials (6)

6. Procedure (12)

7. Qualitative Observations (8)

8. Quantitative Data (12)

9. Graphs (12)



10. Statistics (6)

11. Analysis (8)

12. Possible Experimental Errors (6)

13. Conclusion (8)

14. Practical Applications (8)