

Design a Comparison With Clear Variables



Name: _____ Date: _____

Use the material to work through each task. Show the requested response.

An invented comparison plan

Invented practice data or scenario; not a report of a real study.
A class wants to compare two paper bridge folds. It proposes equal paper, equal gaps and the same blocks. The class will record the number of blocks held before each bridge falls and repeat each design three times.

1. What is intentionally changed?

2. What result is measured?

3. Name two conditions kept the same.

4. Why repeat each design instead of using one trial?

5. Would using heavier blocks for only one fold keep the comparison fair?

6. What conclusion could the test support, and what would remain uncertain?

