CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY

Name(s)
Jasmine N. Ramirez

Project Number
J1725

Project Title
The Spacing Need for Domino Speed

Abstract

Objectives/Goals
The objective of my project is to determine how distance between falling dominoes affects the speed of their fall.

Methods/Materials
I used domino tiles, a measuring tape, a ruler, a stopwatch, and a piece of lumber to test my hypothesis. I measured the time it took domino tiles to fall down at six different spacing distances.

Results
The findings for the relationship of spacing and speed were mixed. When the spacing between dominoes was increased, the falling speed of the tiles decreased during three trials. But, the speed also increased during two of the trials.

Conclusions/Discussion
My conclusion is that if I want to understand the best spacing for a falling domino to have the greatest effect on the next tile in a row of dominoes, I need to take a closer look at how "force" (an action that changes or maintains the motion of an object) can be measured.

Summary Statement
My project is about domino distance and speed.

Help Received
My father helped me to line up the dominoes and measure the time the dominoes fell. My mother helped me to understand how I could show my data in the form of a table or chart.