



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Nikolette M. Sanchez	Project Number J1214
Project Title The Effect of Number of Sides on the Fairness of a Die	
Abstract Objectives/Goals The objective of this experiment is to find out if the shape of a die affects its fairness. Methods/Materials I rolled each die 200 times, and tallied how many times it landed on each face. I used a 6 sided, 8 sided, 10 sided, 12 sided, and 20 sided die. Results I found that the eight sided die was the most fair having a range of six. The twelve sided die came next having a range of ten, then the six sided having a range of fourteen. The least fair were the ten sided die, having a range of 15 then the twenty sided die having a range of 18. Conclusions/Discussion The results have show that the shape of a die affects its fairness.	
Summary Statement The purpose of this experiment is to find out if the shape of a die affects its fairness.	
Help Received Mr. Rodman helped put the board together; Mayra Valdez helped put the board together; Mrs. Harris helped with graphs.	