



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

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| Name(s) Taylor Clayton; Lexi Dauernheim | Project Number J1701 |
| Project Title Battle of the Sexes: A Study of Estimation between Genders in Size, Weight, and Quantity | |
| Abstract Objectives/Goals Our objective is to find out which gender is better at estimating object sizes, weight and quantity. Our hypothesis was that females would be able to estimate better than males. Based on our experience as females, we noticed females estimated better than most males. Methods/Materials The materials we used included: 40 people for testing, M&Ms in a jar, Taylor, Lexi, and backpack with books for our Quiz, Measuring tape, scale, and binder to hold information. For our experiment we went to a shopping mall and tested people on how well they could estimate. We quizzed them about estimation in size, weight and quantity. We had them guess the weight of a backpack and a history book. We also had people estimate the height of Taylor and Lexi, and guess how many M&Ms were in a jar. Results When we added up the results the averages were extremely close. Females did estimate better in quantity and males better in height, but only in small decimals. Both genders estimated about the same for weight, with only slight decimal differences. Conclusions/Discussion Our hypothesis indicated that females would estimate better than males, but in the end there was no difference between the genders' ability to estimate. | |
| Summary Statement We studied the difference in genders' ability to estimate in size, weight, and quantity. | |
| Help Received Our mothers drove us to the mall and also helped in buying the materials we needed. Our teacher, Mr. Arquin, helped us find research done by others on our project. | |