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Magical Mathematical Juice

The purpose of this project was to tell what brand of boxed juice had the most volume, but had the least amount of packaging material. For my procedure I measured the amount of juice in each box. Then, I measured the length, width, and height of each box. After that I had to calculate the surface area of each box. Next, to figure out the solution (total amount of packaging material) I had to calculate the ratio of volume over surface area. I found that Juicy Juice had the most volume and used the least amount of packaging material. This project would be useful in a couple of ways. For instance moms that have toddlers would want the most juice possible in the box. Also using less packaging material would save couple of trees.