

Which bathroom stall is
used most frequently?

By Tatum Moss

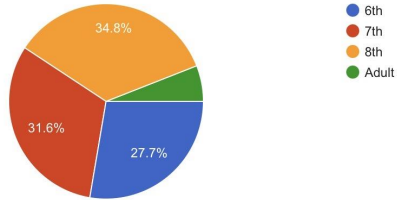
Hypothesis

If the bathroom stall is furthest away from the door, then more people will use it.

Graphs/Data

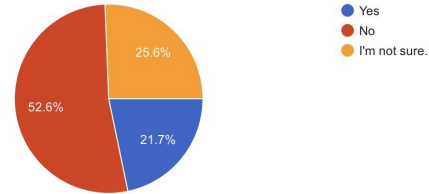
What grade are you in?

589 responses



If the stalls were in a different location (for example: hallway vs. gym), would that affect your choice?

589 responses

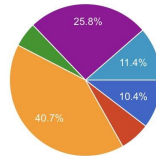


Which stall would you choose from the following picture? Imagine each stall is the same size and it is the end of the school day.

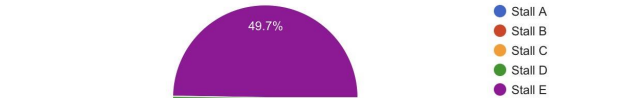
589 responses

Why did you choose that stall?

589 responses



- It was closest to the entrance.
- It was in the middle
- It was on the end.
- It was the first one I noticed.
- I always choose a similar location
- I never have a preference on which stall I use.



- Stall A
- Stall B
- Stall C
- Stall D
- Stall E

Variables

Independent- The bathroom stall location

Dependent- How many people use each stall

Controlled- How many stalls are in each bathroom

Abstract

The purpose of my experiment was to determine which bathroom stall was used most frequently. If the bathroom stall is furthest away from the door, then more people will use it. According to the data, more people would use the last stall, or the one farthest from the door because it was on the end. In the beginning, I tried to use a paper pencil technique, which consisted of putting a tally sheet along with a pencil in all of the girls' bathrooms which was a way that when people used that stall they would mark a tally. This did not work because it came to my attention that some people were putting multiple tally marks, writing all over the paper, and mostly just causing trouble. Instead of this I made a google form which most people were able to fill out, so it would graph the data for me, and simply make it easier. In conclusion, my hypothesis was supported because more people used the bathroom stall located on the end. This means, since 49.7 people used the last bathroom stall, with there being a total of 589 responses, 293 of them prefer the stall on the end.

Purpose

The purpose of doing this science fair project was so people (or germaphobes) are aware of which bathroom stall to use the next time they go into a public bathroom. People definitely thought I was weird for choosing this project, but I also know not many people would think to do this. It seems weird, but it can actually help you in your everyday life, and I bet the next time you go into a public bathroom you will probably start to think about which stall you should go in.

Results

My results showed that almost half of the students who answered the survey preferred the last stall. They said they preferred that stall because it was on the end. If I were to do this experiment again I would go to different bathrooms like the movie theater, grocery stores, target, etc. to see if there is a difference between children and adults.

Which stall will you choose to go in next time
you go to a public bathroom?