

Home Water Survey



By. Student 1

Before we start...

This data was recorded for 5 days at my home.

There are 5 people including me living in our home.

The data is from only the water used indoors at my **home**.

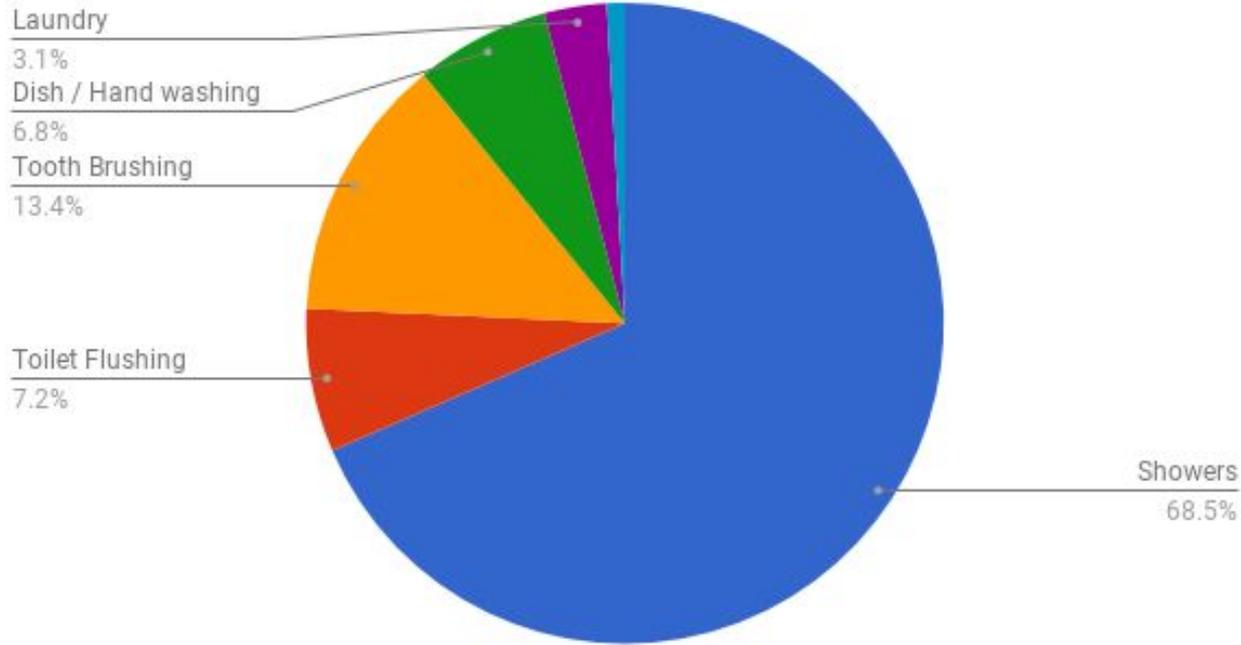
Question for my water survey

How much water does my family use inside the home for 5 days and which category uses the most water?

Water Usage by Category

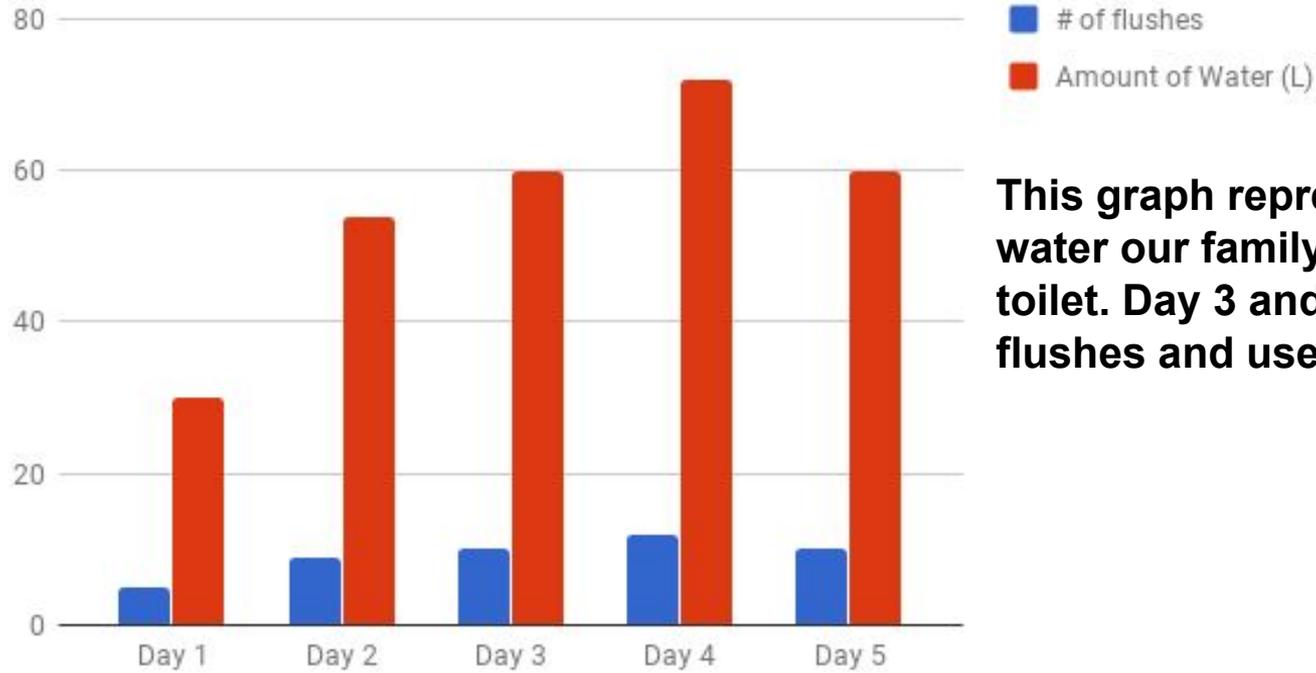
- 1) Shower used **2610 litres** for 5 days.
- 2) Toothbrushing used **510 litres** for 5 days.
- 3) Toilet Flushing used **276 litres** for 5 days.
- 4) Handwashing and dishwashing used **259.5 litres** for 5 days.
- 5) Laundry used **120 litres** for 5 days.
- 6) Other indoor usage used **35 litres** for 5 days.

Percentage of water used in different ways indoors



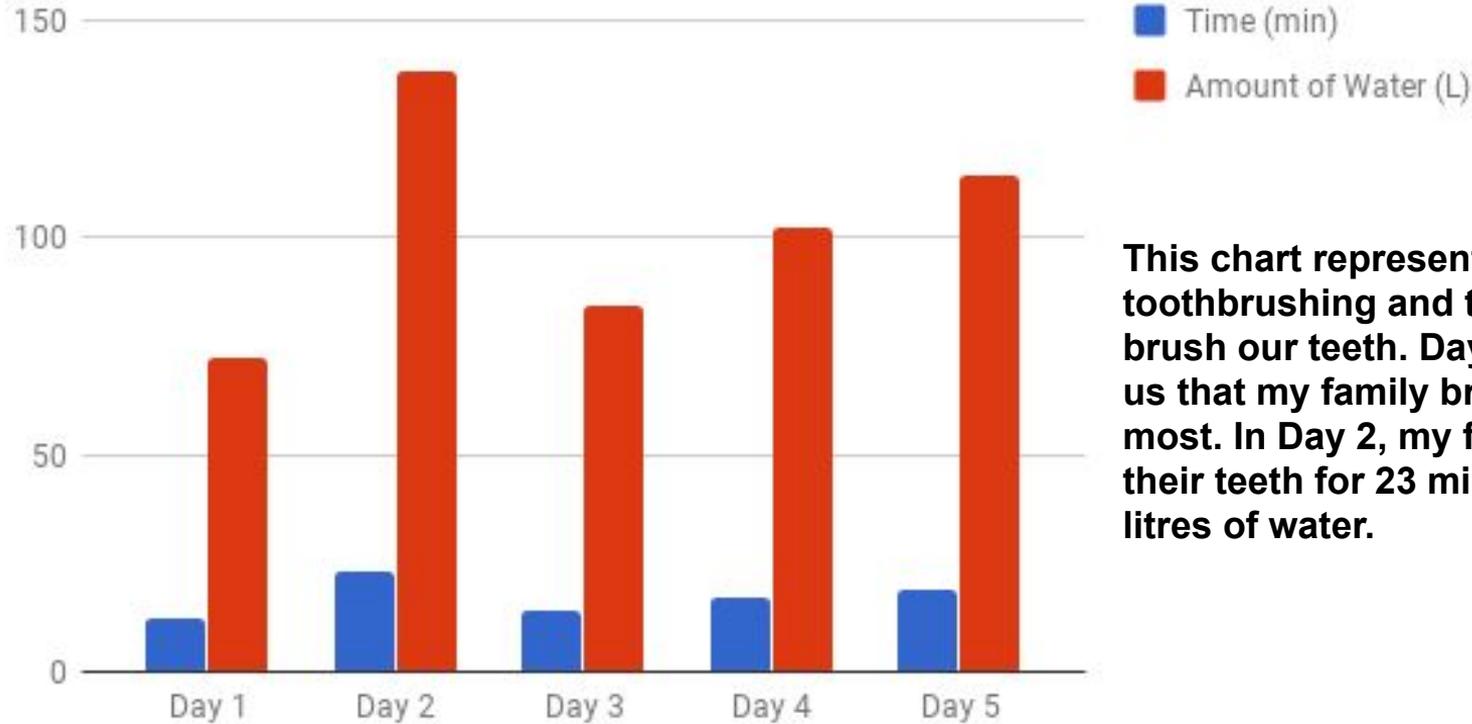
I measured 5 categories that our family uses water indoors for 5 days.

of toilet flushes and amount of water used in litres



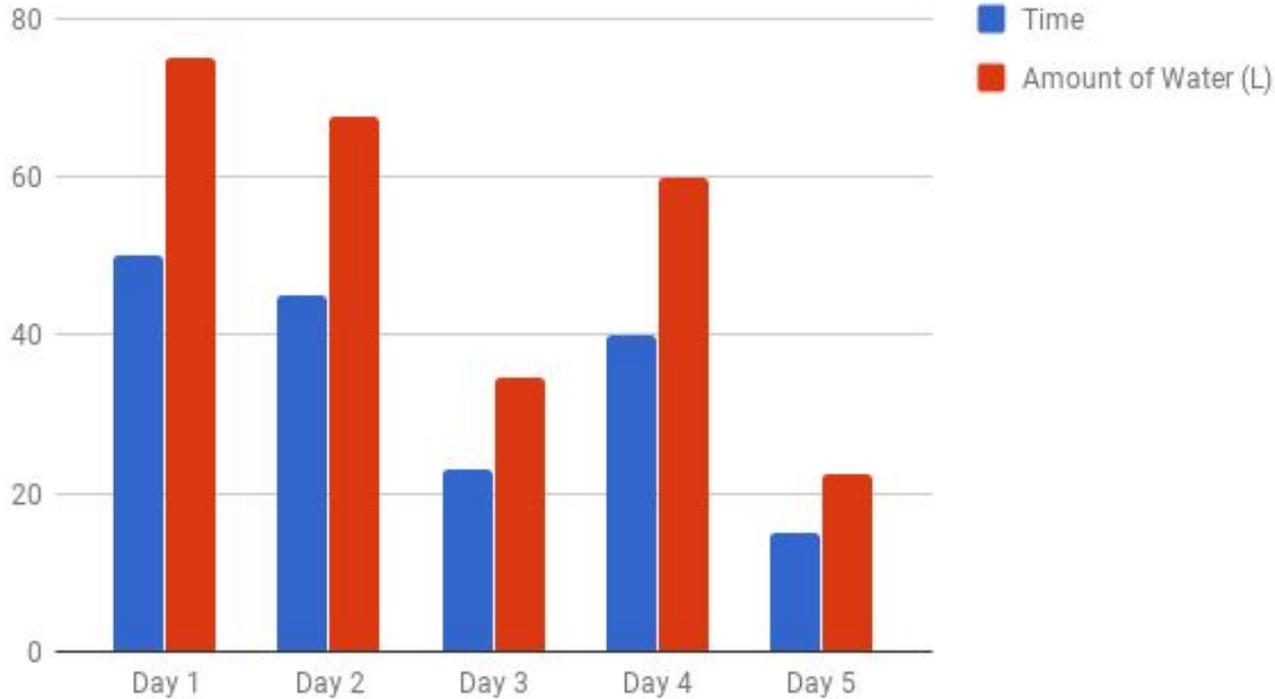
This graph represents the amount of water our family used to flush the toilet. Day 3 and Day 5 both had 10 flushes and used 60 litres of water.

Toothbrushing



This chart represents the water usage in toothbrushing and the time it took to brush our teeth. Day 2 significantly shows us that my family brushed their teeth the most. In Day 2, my family was brushing their teeth for 23 minutes and used 138 litres of water.

Amount & Time to do Dish / Hand washing for 5 days in home



The table above shows the amount & time it took to finish dish / handwashing in our home. I were able to know that day 1 took the longest to finish dish / handwashing and used the most water among the 5 days.

Laundry in our house for 5 days

	# of uses	Amount of Water (L)
Day 1	3	45
Day 2	2	30
Day 3	1	15
Day 4	1	15
Day 5	1	15

This table has the data for # of laundrys and amount of water it used inside my house for 5 days. Just by checking the # of uses of the washing machine, I realised that Day 1 used the most water among all days.

Summary of Results

- **Our house used 3810.5 litres of water for 5 days.**
- From the data I collected, I were able to know that **shower** was the biggest consumer of water in my house.
- **Other water usage** used 35 litres to become the smallest water consumer in my house.

2 things I learned from this investigation

- 1) From this investigation, I were able to learn that my washing machine (LG Tromm) uses only 15 litres of water to wash one cycle.
- 2) I learned that when I were measuring the time it takes for dishwashing, my mom turned off the water frequently, so it was hard for me to measure the most accurate data, because of turning on and off the water lots of time.

How did I conduct this investigation?

When I were not in my house, I got data from my mom about # of cycles my laundry went through, or asked her other questions to collect data.

When I were actually inside the house, I used a stopwatch to record how long we used water for.



Problems

I really didn't have a hard time gathering information for my water usage survey, because all of my family knew how long they used water by the stopwatch, and remembered how many times they used the washing machine for, or flushed the toilet. Thanks to my family!



A photograph of Barack Obama at a podium, wearing a dark suit and tie, with his hands raised in a gesture of gratitude. The background is a blue wall with a large white star. The text "THANK YOU!" is overlaid at the bottom in white, bold, sans-serif font.

THANK YOU!