

1. Alma has three toilets in her house. The toilet in the master bathroom uses 5.0 gallons per flush, the toilet in her kids' room uses 3.5 gallons per flush and the toilet in the guest room uses 1.6 gallons per flush. If the master bathroom toilet gets flushed 3 times a day, the kids' toilet gets flushed 4 times a day, and the guest toilet 7 times a day, how much water does each toilet use in a year?

Alma _____ kids _____
guests _____

2. Justin just bought a new house. In his new house he found the showerhead uses 2.5 gallons per minute, the toilet uses 1.6 gallons per flush, the faucet uses 1 gallon per minute and the washing machine uses 20 gallons per load. If Justin took a 7-minute shower every day, flushed the toilet three times a day, ran the faucet for 8 minutes every day and did 2 loads of laundry a week, one on Monday and one on Thursday, how much water does he use on Friday? _____

3. How much water does Justin use in a week?
_____ In a month? _____
In a year? _____

4. Lee has a big lawn in her front yard and only trees and bushes in her back yard. To keep the lawn green she needs to water twice a day 3 days a week, 12 minutes each time. To keep the trees and bushes alive in the back she waters twice a week for 30 minutes each time. If all of the sprinklers in the front use 5 gallons per minute and the sprinklers in the back use 2 gallons per minute, does Lee need more water for the front or the back? _____
How much more water is used per week? _____

5. Santa Clara County is thinking of spending \$15 million to build a small dam to store 700 acre-feet of water. There are 326,000 gallons in one acre-foot of water. The average water used per person is 70 gallons per day, but a water-efficient person uses 40 gallons per day. Instead of spending \$15 million to build a dam, residents could conserve water so that the new dam is not needed. How many people using water more efficiently would result in savings of 700 acre-feet per year? _____

6. If there are 1.8 million people in Santa Clara County, what percentage of the population needs to conserve water in order to not build a new dam? _____

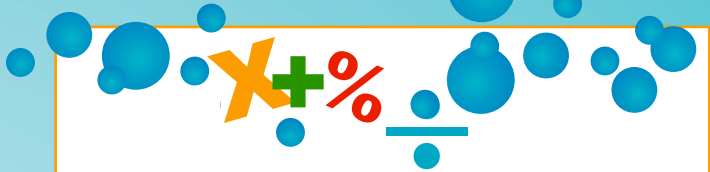
7. Simon drinks 8 containers of bottled water a day. If each bottle contains 9 fluid ounces, how much water does Simon drink every day? _____ If all 35 of Simon's classmates drink as much water as Simon, how many bottles of water do they consume in a year? _____
If only 12% of the bottles of water consumed by Simon and his classmates are recycled, how many were thrown into the trash or became litter? _____

8. How many ounces of water do you drink every day?

Do you drink more tap water or more bottled water?

Something to think about?

What do you do with the plastic bottle after you drink the water in it?



Dear Parent/Guardian,



**Call Today for a FREE Water-Wise House Call
800-548-1882**

Are you interested in saving water, energy and money? The Santa Clara Valley Water District provides FREE Water-Wise House Calls to help manage water use inside and out of your home more efficiently. A typical participating household can reduce its average water consumption by more than 30 gallons per day.

A trained surveyor will perform the following:

- Check shower for leaks and install FREE water-efficient showerheads, if needed.
- Measure faucet flow rates and install water-efficient faucet aerators, if needed.
- Check toilet flapper for valve leaks and replace, if needed and requested. Leaking flappers have been found to waste more water than most other indoor leaks.
- Evaluate the efficiency of your irrigation system and provide site-specific recommendations to improve the system's efficiency, including an annual irrigation schedule for your landscape.
- Offer additional interior and landscape water conservation tips and inform you of other Santa Clara Valley Water District rebate and assistance programs for which you may be eligible.

The typical Water-Wise House Call takes about one hour and is available on Saturdays as well as on weekdays and evenings during daylight hours. Households may only participate in this program once every three years. Please take advantage of this FREE program by calling (800) 548-1882 to schedule a Water-Wise House Call.

If you are a San Jose Water Co. customer, please call (408) 279-7900 to schedule an appointment.

The Santa Clara Valley Water District has several rebate programs to assist you in using water wisely. For more information visit our Web site at www.valleywater.org/Water/Water_conservation.

Sincerely,

Kathy Machado
Education Outreach Coordinator