## Zsfinil Shower Estimation

What You Need

- a bucket
- a measuring cup
- a watch or timer



## Science Scoop

Americans use an average of 25 gallons of water per shower. How do you compare? Try the following tips to save water. Limit your shower time to five minutes. Ask your parents to install a low-flow showerhead that sprays less water than a regular showerhead. Put an empty bucket in the shower with you to catch overflow, then use the water for plants. You'd be surprised how much water you can save!

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Next time you shower, time how long it takes.
$\qquad$ minutes per shower
(2. Hold a bucket under your showerhead and run the water for 30 seconds. Use a measuring cup to figure out how many cups of water you collected in the bucket. Then figure out how many cups of water you use in 1 minute.
$\qquad$ cups in 30 seconds $\times 2=$ $\qquad$ cups in I minute

Now figure out how many cups of water you use when you take a shower.
number of cups in I minute $X$ $\qquad$ minutes
$\qquad$ nu per shower $\qquad$ cups per shower

Figure out how many gallons of water you use in your shower. (There are 16 cups in 1 gallon of water.)

## Non

Now it's time for you to experiment. How many gallons of water would you use if you turned the shower off when you soap your body or lather your hair and turn it on again to rinse? Choose one thing to change (that's the variable) and predict what you think will happen and why. Then test it out and send your results to ZOOM.

Use the water from this experiment to water indoor or outdoor plants.

## Chart Your Water Usage

Measure and record how much water the people living in your house use when they shower.

| Name | Time in <br> Shower | Gallons of <br> Water Used |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |



Who used the most water?
Who used the least?

Find the average amount of water used in a shower at your house. Add together all of the gallons of water used. Now divide this number by the number of people who showered.
The average amount of water used per shower =


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