

Exemplar #1 – Score: 4

- ✓ The work demonstrates a proficient understanding of the situation.
 - water usage is identified and explained
 - all work is shown
- ✓ The strategy is effective and comprehensive.
 - calculations are clear and correct for each appliance/fixture
- ✓ The logic references all aspects of the problem.
 - each fixture use has a reasonable explanation
 - each fixture is mentioned
- ✓ The reasoning is clear, detailed, and organized.
 - the total water usage is within the allowable amount
 - communication is clear

Question 1 Topic / Question 1 sujet

Show your work and write your final answer in the space provided.
Montrez votre travail et écrivez votre réponse finale dans l'espace prévu.

Water Use

Shower take around 8 minutes so $8L \times 8\text{min} = 64L$ every shower. Taking a shower every 2 days in a week would be 3-4 days of showering.
 $64L \times 3\text{days} = 192L$ every week.


Dishwasher is used a few times every week so $16L \times 3 = 48L$ every week

Around 4 toilet breaks every day so $24L$ used everyday.
 $24L \times 7\text{days} = 168L$ each week.

The tap is used around 10 minutes each day so $6L \times 10\text{min} = 60$ then multiplied by 7 to get $420L$ every week.

The Clothes Washer is turned 2-3 times each week so $60L \times 3 = 180L$ each week.

The total amount of water used is $1008L$ / week.



More workspace available. / Espace disponible également au verso. →