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

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

Showers take around 8 minutes so 8 L x 8 min = 64 L every shower. Taking a shower every 2 days in a week would be 3-4 days of showering. 64 L x 3 days = 192 L every week.

Dishwasher is used a few times every week so 16 L x 3 = 48 L every week.

Around 4 toilet breaks every day so 24 L used everyday. 24 L x 7 days = 168 L each week.

The tap is used around 10 minutes each day so 6 L x 10 min = 60 L then multiplied by 7 to get 420 L every week.

The clothes washer is turned 2-3 times each week so 60 L x 3 = 180 L each week.

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