

Worksheet: Home Water Use

Name: _____

Home Water Use

Fill in this questionnaire to explore how much water is used in your home each day. This is a quick exercise to estimate home water-use so approximate numbers are ok.

TIP:

Find the volume of water your toilet uses per flush by checking...

Occupancy

Number of people in your home



Toilets

Volume of water used per flush (if available)

Shower/Bath

L/flush or Ga/flush

How many showers happen in your home on a typical day?



How many baths happen in your home on a typical day?



Is your shower head low-flow?

Yes/No

Kitchen/Laundry

Is there a dishwasher in your home?

Yes/No

If Yes, how many loads of dishes are washed each day?



If No, how many times are dishes washed each day?



Is there a washing machine in your home?

Yes/No

If Yes, how many loads of laundry are washed each week?



Worksheet: Weekly Home Water Use Calculation

Name: _____

Weekly Home Water Use Calculation

Using the values from your 'Snapshot! Home Water Use' questionnaire and the values from Table 1, follow the steps below to calculate the approximate volume of water used in your home each week.

Table 1: Average Volume of Water Used in the Home

NOTE: Averages are highly variable!

Appliance/Item	Average Volume of Water per Use	Average Number of Uses
Toilet – standard	13.6 L/flush	5 times/day/person
Toilet – low flush	6 L/flush	5 times/day/person
Shower – standard	15 L/minute	8 minutes/shower/person
Shower – low flow	7.6 L/minute	8 minutes/shower/person
Bath - standard	130 L/bath	-
Dishwasher - standard	45 L/load	2 loads/week
Washing Machine - standard	150 L/load	2 loads/week

Assumptions

This exercise assumes that all occupants are home each day of the week and that the Average Number of Uses listed in Table 1 are accurate.

Toilets

Calculate the weekly volume of water used by flushing the toilet in your home.

*To convert gallons to litres, multiply by 3.79

$$1. \frac{\text{Volume of water used per flush} \times \text{Average number of flushes/day}}{\text{Volume of water used/person/day}} \quad \times \frac{\text{L}}{\text{Person/Day}}$$

$$2. \frac{\text{Volume of water used/person/day} \times \text{Number of people in your home}}{\text{Volume of water used per day.}} \quad \times \frac{\text{L}}{\text{Day}}$$

$$3. \frac{\text{Volume of water used per day} \times \text{Number of days in a week.}}{\text{Volume of water used per week}} \quad \times \frac{\text{L}}{\text{Week}}$$

Weekly Home Water Use Calculation

Shower/Bath

Select either shower OR bath

$$1. \frac{\text{Average volume of water per use (standard OR low flow)}}{\text{X Average number of uses per person (table 1)}} \times \frac{\text{Volume of water used per person per shower or bath}}{\text{L/Person/Shower}}$$

$$2. \frac{\text{Volume of water per person per shower}}{\text{X Number of people in your home}} \times \frac{\text{Volume of water used per day}}{\text{L/Day}}$$

$$3. \frac{\text{Volume of water used per day}}{\text{X Number of days in a week.}} \times \frac{\text{Volume of water used per week}}{\text{L/Week}}$$

Kitchen/Laundry

If you answered No on questionnaire, use standards from Table 1

$$1. \frac{\text{Average volume of water per use}}{\text{X Average number of uses per day}} \times \frac{\text{Volume of water used per day}}{\text{L/Day}}$$

$$2. \frac{\text{Volume of water used per day}}{\text{X Number of days in a week.}} \times \frac{\text{Volume of water used per week}}{\text{L/Week}}$$

$$1. \frac{\text{Average volume of water per use}}{\text{X Average number of uses per day}} \times \frac{\text{Volume of water used per day}}{\text{L/Day}}$$

$$2. \frac{\text{Volume of water used per day}}{\text{X Number of days in a week.}} \times \frac{\text{Volume of water used per week}}{\text{L/Week}}$$

Weekly Water Use (Approximate)

Add volume of water used per week (L/week) for Toilets, Shower/Bath, Dishwasher & Laundry:

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \frac{\text{X}}{\text{L/Week}}$$