

Solution 2

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Shower/ bath	5 min shower 5 min × 8 L/min = 40 L	5 min shower 5 min × 8 L/min = 40 L	5 min shower 5 min × 8 L/min = 40 L	5 min shower 5 min × 8 L/min = 40 L	5 min shower 5 min × 8 L/min = 40 L	5 min shower 5 min × 8 L/min = 40 L	5 min shower 5 min × 8 L/min = 40 L
Toilet	3 × 6 L = 18 L	3 × 6 L = 18 L	3 × 6 L = 18 L	3 × 6 L = 18 L	3 × 6 L = 18 L	5 × 6 L = 30 L	5 × 6 L = 30 L
Tap	8 min × 6 L/min = 48 L	10 min × 6 L/min = 60 L	8 min × 6 L/min = 48 L	10 min × 6 L/min = 60 L	8 min × 6 L/min = 48 L	10 min × 6 L/min = 60 L	8 min × 6 L/min = 48 L
Dishwasher	1 × 16 L = 16 L		1 × 16 L = 16 L		1 × 16 L = 16 L		1 × 16 L = 16 L
Clothes washer		1 cycle = 60 L				1 cycle = 60 L	
Total	122L	178L	122L	118L	122L	190L	134L

Weekly total: $122 + 178 + 122 + 118 + 122 + 190 + 134 = 986$ L

Weekly total is 986 L which is well under the total of 1050 L per week needed. This leaves room for any unexpected water usage.

Showers were taken daily. Toilet usage was increased on the weekend as I would not be using the facility at school as I do during the week.

The dishwasher is used every second day, so on the days it doesn't run there are an extra 2 minutes of tap usage to accommodate having to wash a couple of dishes by hand.

Two loads of clothes washing per week are enough to have one load of lights and one load of darks.

This keeps the water usage under the limit of 1050 L per week.