

# Reading Your Meter & Calculating Water Use

## 1.) Example



Reading #1



Reading #2

(Days or minutes between readings)

First Date or Time: \_\_\_\_\_ Second Date or Time: \_\_\_\_\_

## 2.) Water Use (Cubic Feet):

$$\begin{aligned}
 &\text{Reading \#2} \quad \underline{\hspace{10em}} \quad (\text{cubic feet}) \\
 &\text{Reading \#1} \quad - \quad \underline{\hspace{10em}} \quad (\text{cubic feet}) \\
 &= \underline{\hspace{10em}} \quad (\text{cubic feet used})
 \end{aligned}$$

## 3.) Average Water Use:

$$\begin{aligned}
 &\text{Cubic Feet Used: } \underline{\hspace{10em}} \\
 &\quad \div \underline{\hspace{10em}} \quad (\# \text{ of days or minutes between readings}) \\
 &= \boxed{\hspace{2em}} \quad (\text{average cubic feet per day or per minute})
 \end{aligned}$$

## 4.) Water Use (gallons):

$$\begin{aligned}
 &\text{Cubic feet used: } \underline{\hspace{10em}} \\
 &\quad \times 7.48 \text{ gallons} \\
 &= \underline{\hspace{10em}} \quad (\text{gallons used})
 \end{aligned}$$

**5.) Practice**

(Days or minutes between readings)

First Date or Time: \_\_\_\_\_ Second Date or Time: \_\_\_\_\_



**6.) Water Use (cubic feet):**

Reading #2 \_\_\_\_\_ (cubic feet)  
 Reading #1 – \_\_\_\_\_ (cubic feet)  
 = \_\_\_\_\_ (cubic feet used)

**7.) Average Water Use:**

Cubic Feet Used: \_\_\_\_\_  
 ÷ \_\_\_\_\_ (# of days or minutes between readings)  
 =  (average cubic feet per day or per minute)

**8.) Water Use (gallons):**

Cubic feet used: \_\_\_\_\_  
 x 7.48 gallons  
 = \_\_\_\_\_ (gallons used)

**Note:**

For determining the flow rate of a zone in your irrigation system, divide the cubic feet used by the number of minutes you ran your sprinklers. This will tell you how much water you will use when scheduling your sprinkler system.

**Example:**

- Usage is 10 cubic feet and your ran your sprinklers for 5 minutes
- 10 cubic feet ÷ 5 minutes = 2 cubic feet per minute
- 40 minutes per week x 2 cubic feet per minute = 80 cubic feet / week
- 80 x 4 weeks = 320 cubic feet /month or (2,393 gallons)
- 1 cubic foot = 7.48 gallons (320 cubic feet x 7.48 = 2,393 gallons)

