



In this adventure, you will conduct an experiment that will determine how many gallons of water leaked from a pipe during a given time period.

1. Fill in the table with the data generated by the investigation.

<b>Time (sec)</b>						
<b>Water Level (mL)</b>						

2. Which is the independent variable? Which is the dependent variable?

3. Describe the shape of your graph. What does its shape say about the drip?

4. What is the equation of the line of best fit? Round decimals to the nearest tenth.

5. How many seconds are in 30 days?

6a. How many milliliters leaked during 30 days?

6b. How many liters leaked during 30 days?

6c. How many gallons leaked during 30 days? Round to the nearest gallon.

**Extension**

Suppose that on day 15, during the leaking time period, the crack in the pipe got larger and water started leaking out at a greater rate than before. Sketch a graph for the 30 days that shows this scenario.

