

Writing Linear Equations, communicating and connecting what we know about the water supply

Verbal

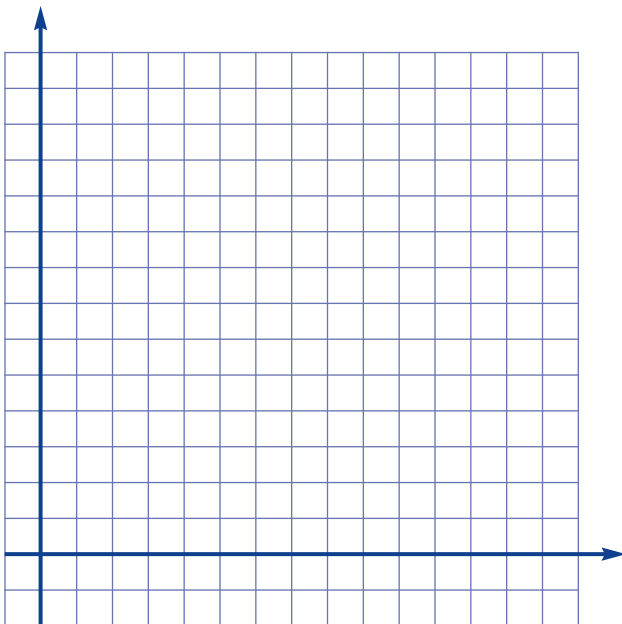
According to the Ship’s log, the crew used 440 gallons of water each day throughout the month of November 1803. They began the month with 45,000 gallons.

Fill out the table and then use those values to draw a graph.

Table

# of Days	Gallons of Water
0	_____
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____

Graph



Analysis

1. How much water is left after 20 days?
2. Write an equation to represent the situation. Use G to represent the number of gallons and n to represent number of days.
3. If *Constitution* maintains this rate of water consumption, how many days will they have water?