

Graph a Year of Water Bills

Teacher Directions:

1. Put students into groups of 4 or less. Give each group "A Year of Water Bills" (download cards here).
2. Give each student a copy of the graph (download here). Run it off on 11 x 17 if possible.
3. Assign one student in each group to be in charge of January cards. Ask those students to shuffle and hand a January card to each student. Each student should graph their January usage using beans or beads. If you like to make it more exciting, give students a stamp when they get a Water Fairy Card like the one below!
4. Ask the next student to shuffle the February cards and hand them out. Continue through the year.
5. Answers to questions: In Albuquerque, we use more water in the summer. Customers who use extra water pay more per gallon for those extra gallons. Average indoor use is 7 units.

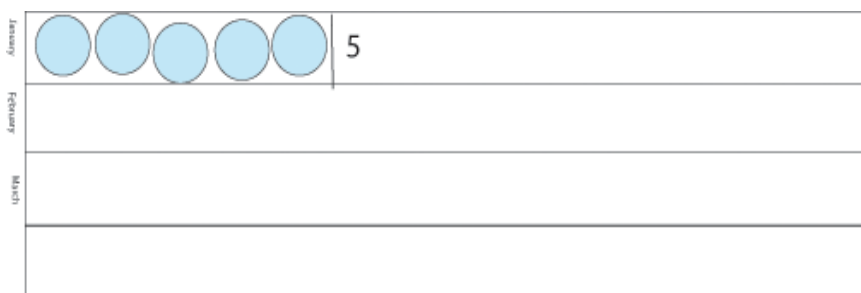
Student Directions:

Step 1: Take out January cards, shuffle, hand one to each student.

Step 2: Read your card. It tells you how many units you used. Take that many counters and fill in your graph. Leave your beads on the graph until the activity is done.



Step 3: Make sure your counters are close to each other. Make a line at the end of your beads and write the number down.



Step 4: If you get a Water Fairy card like this remember what you did so you can tell your classmates how to save water.

Step 5: Return the January cards. The next student should take out the February cards, shuffle, and hand one to each student.

Step 6: Repeat steps until you fill out your graph, or until time is up.