

If you were a water manager, how would you divide water among the stakeholders who need it?



Note: Large quantities of water are measured in acre-feet. One acre-foot is equivalent to almost 325, 852 gallons. It would cover ³/₄ of a soccer field with water at the depth of one foot.

Directions:

- 1. Read through the description of each stakeholder group.
- 2. Decide how to split 4,000,000 acre-feet of water among the people who need it.

Water Allocation

Stakeholder Group	Amount Allocated (acre-feet)		
Total	4,000,000		



Pie Chart



DATE

3. Create a pie chart that represents your allocation:

A. For each stakeholder, calculate the percentage of total water you allocated (in decimal form) by dividing the allocation by the total amount of water (4,000,000 acre-feet).

B. Calculate the number of degrees of a circle (section of pie chart) to represent each allocation by multiplying the percentage from step A (in decimal form) by 360. Round to the nearest degree.

Stakeholder Group	Amount Allocated (acre-feet)	% (X/4,000,000)	Degrees (% * 360)
(example) Households	750,000	. 1875	67

C. Using a protractor, draw the section for each allocation on the circle below. **Color and label each section!**





Sample Protractors:

