Name _____

Will You Be Wet or Dry?

1.   Select a can from the teacher's collection for your cooperative group to use for this activity.

2.   Use a measuring tape to measure the diameter and height of the can to the nearest tenth of a centimeter.

> Diameter = _____

> Height = _____

3.   As a group, determine the volume of the can based on your measurements. You may refer to your math journals as needed. Show your work below and explain how you found the volume of your can. Make sure that your units are correct. (Hint: One cubic centimeter is the same as one milliliter.)

> VOLUME = _____

4.   Bring your can and your volume calculation to the teacher. One member of your team will be selected to test your calculations. The test will be done by having the teacher fill your can with water over the team member's head. Remember: If you calculate too high of a number, the water will overflow on the person's head. If you calculate too low of a number, then all of the water will be dumped on the person's head.