

METRIC SKILLS: VOLUME & MASS

MATERIALS: graduated cylinder(s), beaker, triple-beam balance and eye-dropper

pre-lab:

1. **define volume:** _____

2. Tool(s) used for volume: _____

3. **define mass:** _____

4. Tool(s) used for mass: _____

PROCEDURE:

1. Use the triple-beam balance to measure the mass of the graduated cylinder.
2. Fill graduated cylinder with exactly 100 milliliters of water (chart)
3. Find the mass of the graduated cylinder + 100 milliliters of water.(chart)
4. From the above measurements determine the mass of 100 ml of water.(chart)
5. Now - repeat procedure 1-4 for 50 ml and 10 ml of water

	Mass of graduated Cylinder (1)	Mass of graduated Cylinder + Mass (3)	Mass of water (4)
100.0 ml			
50.0 ml			
10.0 ml			

6. Based upon your data, predict what
the mass of 150 ml of water will be ? _____
7. Write a conclusion for this lab and complete lab report form.