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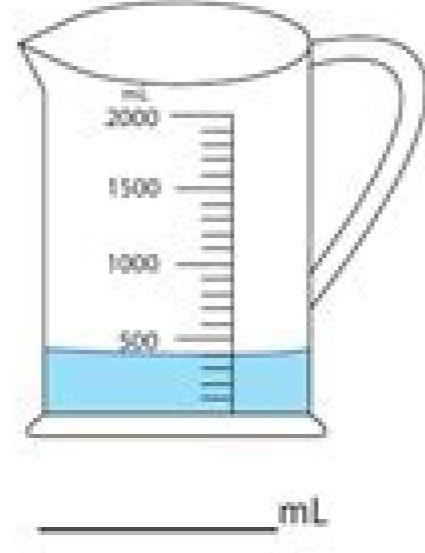
Measuring Jug

1) If you add 200 mL of water in each jug, what would be the new reading?

a)



b)



2) How much water required to fill each jug up to 800 mL?

a)



b)



3) How much water should you pour out from each jug to drop down the water level to 300 mL?

a)



b)



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Grade _____ Name _____ Date _____

Challenge

Measuring Volume
Imagine you are the head chef at a large restaurant that serves hundreds of people every day. One of your soup recipes calls for exactly 4 gallons of water, but you only have a 3-gallon bucket and a 5-gallon bucket. You need to use the two buckets to measure the correct amount of water.

- You can fill the buckets and pour them out as many times as you need to.
- You cannot mark the water level in either bucket.
- You cannot estimate how much water is in each bucket.

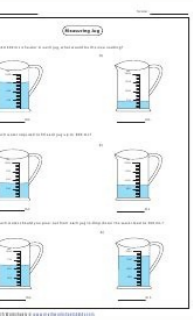


1. List the steps you take to measure out exactly 4 gallons of water for your recipe.

Now try another problem. You have a 9-gallon bucket, a 4-gallon bucket, and a 2-gallon bucket.



2. List the steps you take in order to have 1 gallon of water in the 4-gallon bucket and 1 gallon of water in the 2-gallon bucket. What steps did you follow?



Title: Metric Measurement Lab

Purpose: You will learn to make measurements using the metric system. These measurements will encompass mastering the metric ruler, the graduated cylinder, and the electronic balance.

You will demonstrate your ability to convert the original measurements within the metric system. There is an easier system for converting in the metric system than Mr. Cooper showed you. If you figured it out on it. However, you will be expected to show the conversion tracks on your quiz. So, you better know how to convert using that method.

Procedures:
1. Use the meter stick to measure your table. Put your measurements in a chart like the one below into your lab report.

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200					
Length of Desk	m	dm	cm	mm	km
Height of Desk	m	dm	cm	mm	km
Width of Desk	m	dm	cm	mm	km
Length of Room	m	dm	cm	mm	km

2. Use the electronic balance to weigh the following materials. Place your measurements in a chart like the one below into your lab report.



Weight of coin	g	dg	cg	mg	kg
Weight of pen	g	dg	cg	mg	kg
Weight of test tube	g	dg	cg	mg	kg

