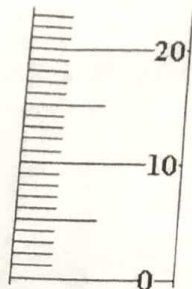


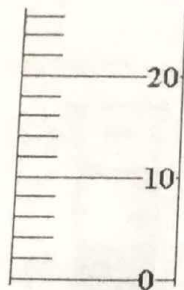
Graduated Cylinder Worksheet

A graduated cylinder can have numerous scales.

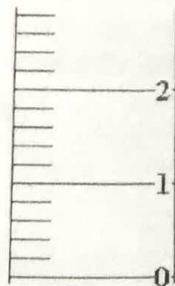
1) Determine the value for the minor grids on the cylinder.



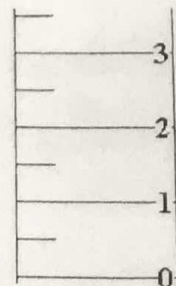
a) 1 mL



b) 2 mL

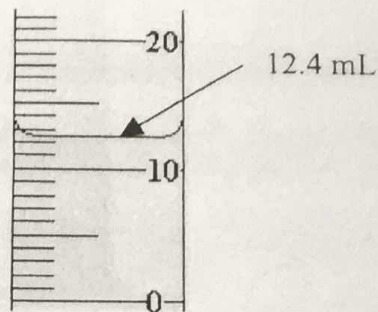


c) .6 mL

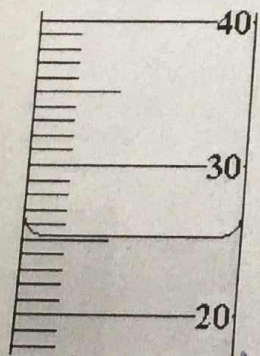


d) .5 mL

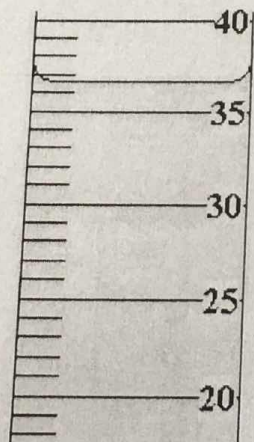
When reading a graduated cylinder you need to keep the graduated cylinder on the desk and lower your eyes to the level of the meniscus and you read where the bottom of the meniscus is. Be sure to include one point of estimation in your reading.



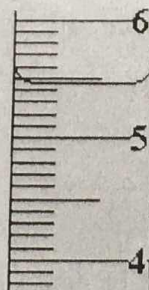
2) Determine the volume of the liquids in the following cylinders:



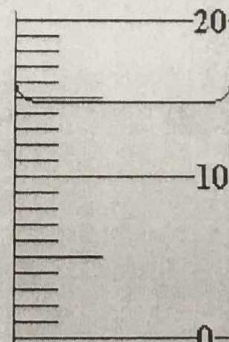
a) 25.3 mL



b) 36.6 mL

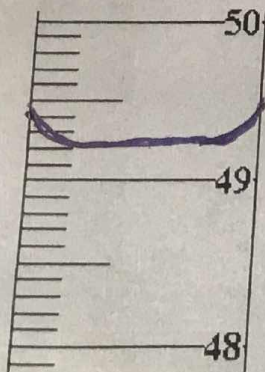


c) 5.49 mL

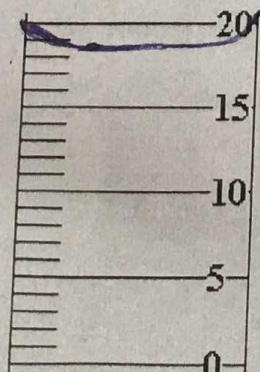


d) 14.9 mL

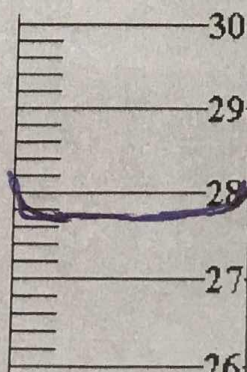
3) Draw in the meniscus for the following readings:



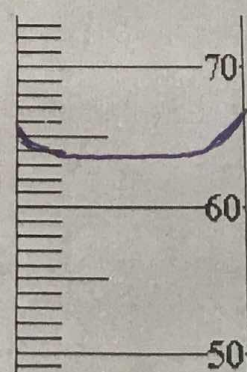
a) 49.21 mL



b) 18.2 mL

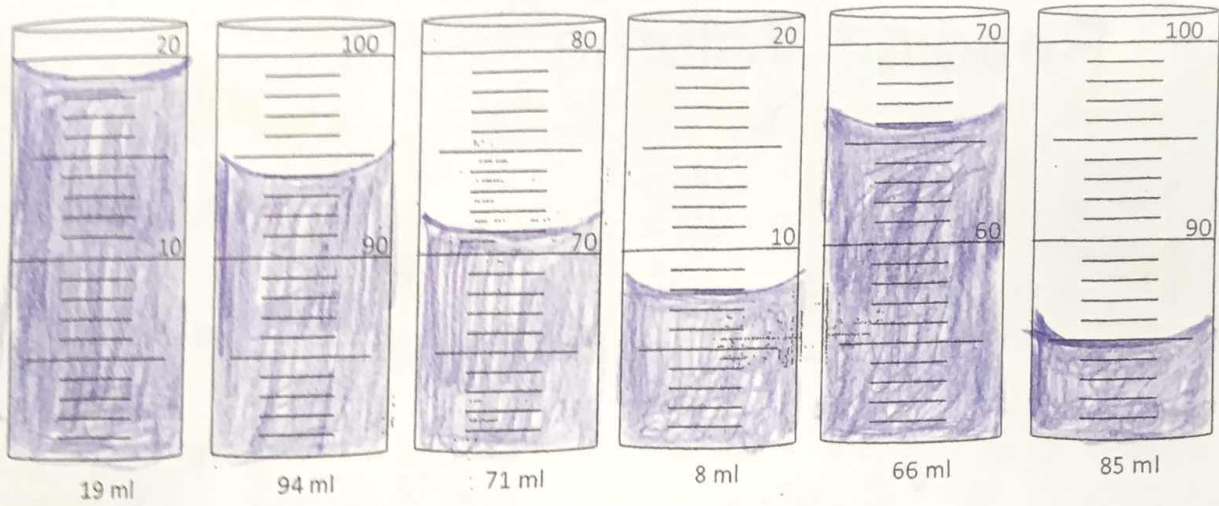


c) 27.65 mL

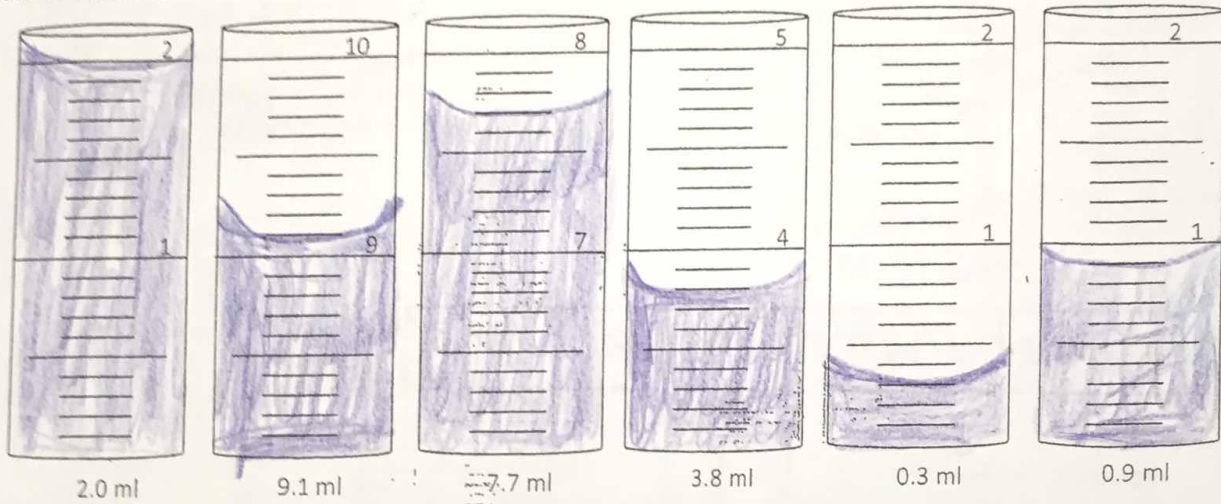


d) 63.8 mL

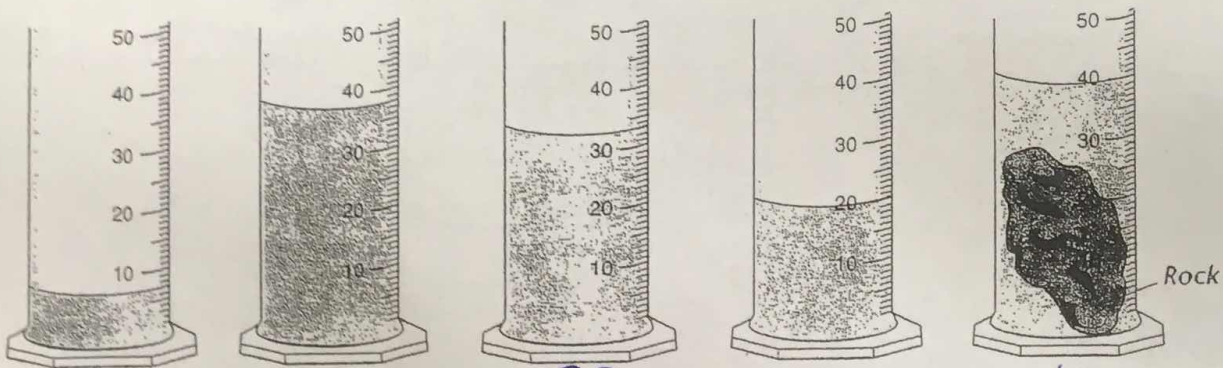
Color in the correct amount of water written below each 100 ml graduated cylinder.



Color in the correct amount of water written below each 10 ml graduated cylinder.



What is the volume of the liquid shown in graduated cylinders 1-4 below? What is the total volume in graduated cylinder 5?



6. If the diagrams for Questions 4 and 5 show the same graduated cylinder before and after the rock was added, what can you infer about the volume of the rock?

The volume of the rock is 20 cm³