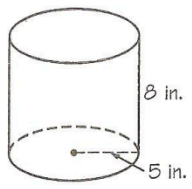
SNC1W0 Measuring Volumes and Mass Activity Name: _____

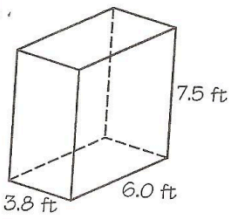
Math review: equations for volume of; a prism; V = length x width x height, Cylinder; V = $\pi r^2 \times height$, triangular prism; V = $\frac{1}{2} bh \; x \; depth$

1. Find the volumes of the following three dimensional shapes;

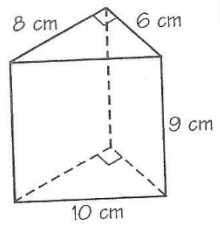
A.



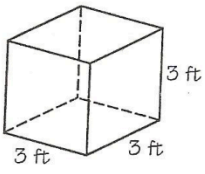
B.



C.



D.

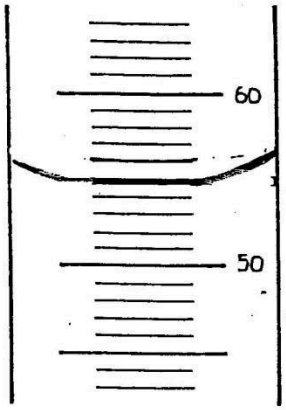


2. For the object in question 1c, if it were placed in an overflow can filled to the top with water, how many mL of water would fall out if 1mL = 1cm^3?

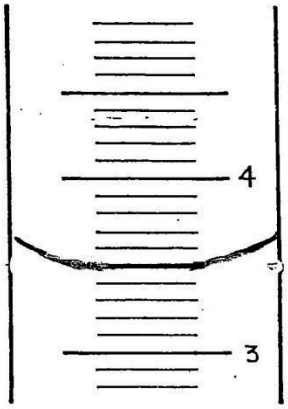
3. What would be the mass of each of these objects if they had densities of;

   a. 0.271 lb/in^3 b. 23 lb/ft^3 c. 8.4g/cm^3 d. 62.4 lb/ft^3

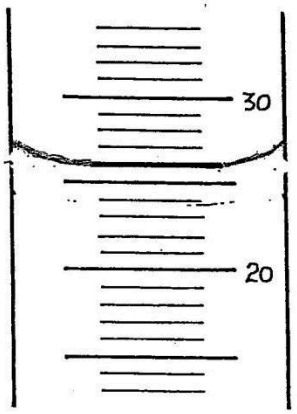
What volume is indicated on each of these graduated cylinders? The unit of volume of is mL.



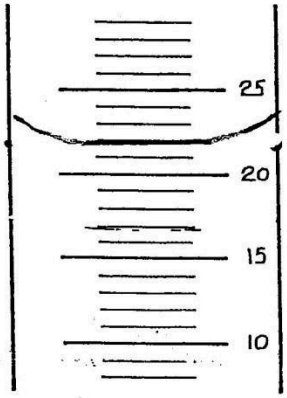
a) _____



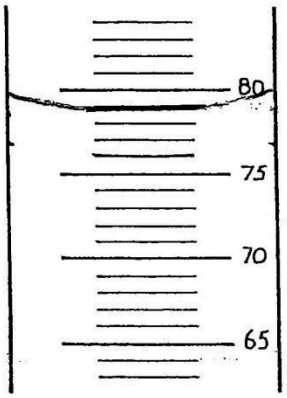
b) _____



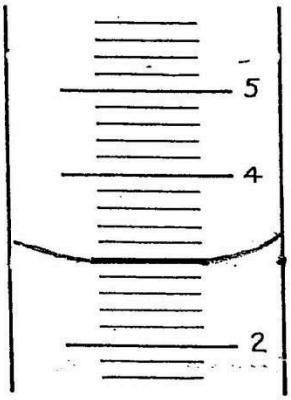
c) _____



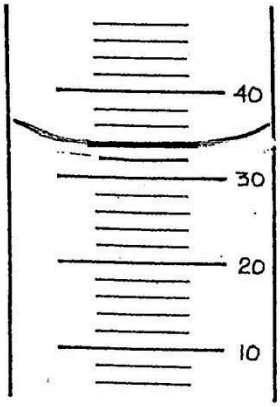
d) _____



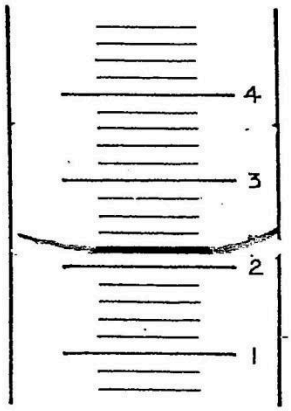
e) _____



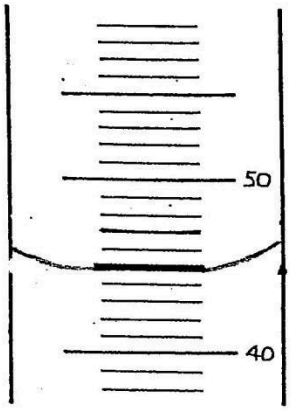
f) _____



g) _____



h) _____



i) _____