Lab: Density—Datasheet   **Name**_____

Part 1:

Object	Mass	Length	Width	Height	Volume	Density
toy block			*Answers will vary.*			*Answers will vary.*

Show work here:

Work should include calculations using: $V = l \times w \times h$ *and* $D = \dfrac{m}{V}$.

Part 2:

Object	Mass	Initial Volume of Water	Volume of Water with rod	Volume of rod	Density
glass rod			*Answers will vary.*		*Answers will vary.*

Show work here:

Work should include calculation of volume using water displacement and calculation of density using $D = \dfrac{m}{V}$.

Part 3:

Object	Length	Width	Mass	Density	Volume	Height
aluminum foil		*Answers will vary.*		2.70 g/cm^3	*Answers will vary.*	

Show work here:

Work should include calculations using: $V = \dfrac{m}{D}$ *and* $V = l \times w \times h$.

Part 4:

Object	Mass of Dropper and Liquid	Mass of empty dropper	Mass of liquid	Volume of Liquid	Density
water					≈ 1.0 g/mL
"unknown" liquid		*Answers will vary.*			*Answers will vary.*

Show work here:

Work should include calculation of volume using water displacement and calculation of density using $D = \dfrac{m}{V}$.