DENSITY (1)*

1. A mineral has a mass of 50g and a volume of 10 cm³. Calculate the density of this mineral.

2. Determine the density of the Block A below, which has a mass of 128g and dimensions as shown in the diagram below.



3. Determine the mass of the Block B below, which has a density of 3 g/cm^3 and dimensions as shown in the diagram below.



4. Determine the density of the mineral sample shown below.



1. The diagram below shows a beaker filled with water. Three objects A, B & C were placed in the beaker, which all appear to float on water.



Determine the object with the least density out of the three.

Justify your selection: ____

2. The object below has a mass of 144g and a volume of 72cm³. If a student decides to cut the object in half, what would you anticipate the density of each half to be? Explain your answer (You may select to do this in **writing** or **mathematically**).



Objects's dimensions: Length= 6 cm Height= 4 cm Width= 3 cm