Density Handout   name:

There are 14 different elements in the 14 small beakers. The cubes have numbers scratched into them; when you choose a pair of cubes, make sure the numbers match. Randomly choose a beaker and measure the mass of both metal cubes together. Then, measure their volume by displacement.

Do not round the masses, measure volumes to 10th mL

Do this for any five elements. Use one element at a time; don't be a hoarder.
Do not do any math until you measure all masses and volumes.

On separate paper, for each metal, write the density formula, calculate density. Use proper significant figures and units. Later you will be told which element matches each number.

You will then compare your measured density to the actual density using percent error.

Do all your work on white paper. Write ONLY your answers below. Staple your work onto this page.

Number	Mass in grams	Volume in mL	Measured density	Element symbol	Actual density	Percent error