

## Copper Density Analysis

Calculations: **MUST include:**

**Show all math in calculating**

**Comparisons to show if pennies are made of copper**

List formulas and make calculations for density of

1. Pennies
2. Copper (see NB 40)

Analysis: **In a paragraph, give a logical answer to the problem: "Are the pennies copper?". Include your reasons and all quantitative data to support your analysis. Use your density of copper from NB pg 40 to solve the problem**

**Must include:**

- Are the pennies copper?
- Supporting evidence
- Recommendations for what King Bling should do.

## King Bling and the Copper Caper

Problem: Are pennies made of copper?

My job: skip 2 lines

Plan: Group decides how to solve the problem using your knowledge of density.

**PLAN must: - be specific (HOW will you measure)**

**be accurate (how will you prove if the pennies are copper)**

Data: Include graduated cylinder drawings record all data needed

Data **MUST include-** pictures to show how data was obtained and ALL measurements made and information collected

**DO NOT INCLUDE DENSITY CALCULATIONS HERE**