Practice Problems

% yield

When 5.00g of Copper reacts in a chemical reaction and only 4.78g is recovered, what is the % yield of the reaction?

% error

1. During our a lab three groups had the following information:

|  |  |  |
| --- | --- | --- |
| Group | Starting Mass (grams) | Ending Mass (grams) |
| 1 | 1.30 | 0.66 |
| 2 | 1.23 | 0.67 |
| 3 | 1.21 | 0.68 |

* Calculate the percent error for each of the groups in the space below.
* Tell whether the results are accurate and which group was the most accurate. (1 point)
* Is the data precise? (1 point)