**Using Experimental data**

We can use experimental data to find the formula of compounds such as copper oxide.

Steps

1 – Write the equation for the reaction

2 – Assign masses to all the species that you can

3 – Convert masses to moles

4 – Use ratios to decide the formula

E.g. 32g of copper was heated in oxygen to a constant mass. The mass of product formed was 40g.

Copper + oxygen 🡪 copper oxide

