Anytime you look up a mass on the periodic table it is for 1 mole.

If given grams start here.

If your given is already in moles then skip this step and start here

This step is always needed if you are changing substances and is the only time you can have different substances in the numerator and denominator.

If your unknown is number of moles, change x to = and STOP here.

> Molar mass from the periodic table.

###.# g substance

1 mole substance ###.## g substance

mole substance

1 mole new substance

Molar mass from the periodic table. Must be the same substance. **Numbers** come from the chemical formula.

Must be the same substance.

Anytime you look up a mass on the periodic table it is for 1 mole.

Multiply numbers across the top, then press equals, and individually divide by numbers across the bottom.