CONVERTING MOLES TO PARTICLES

Converting between moles, particles and mass is an essential skill in Chemistry, and this is where dimensional analysis can help simplify mole conversion problems.

<u>For example</u>, if you have three and a half dozen roses and you want to know how many roses you have, you must first know the conversion factor for roses.

Conversion Factor = <u>12 roses</u> 1 dozen

CONVERSION FACTOR FOR MOLES=

1 mol 6.02 x 10²³

MOLES TO ATOMS

<u>Example:</u> You have 3.5 moles of a substance, how many atoms do you have?