## Answer on Question #59922 – Chemistry– Other

## Question:

How many moles of magnesium are in 3.01x10^22 atoms of magnesium?

Answer:

## $n = N / N_A$

where n is amount of moles of magnesium, N is number of atoms of magnesium,  $N_A$  is a Avogadro constant, which is  $6.02 \times 10^{23} \text{ mol}^{-1}$ 

So *n* = 3.01x10^22 /6.02×10^23 = 0.05 mol