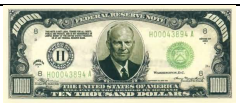
Multiplying & Dviding with Exponents Practice
Example: ( x 10^5) x ( x 10^5) =  x 10^{10}
Now you: ( x 10^5) x ( x 10^5) =  x _____
Now you: ( x 10^3) x ( x 10^7) =  x _____
Example: ( x 10^{10}) ÷ ( x 10^5) =  x 10^5
Now you: ( x 10^{38}) ÷ ( x 10^8) =  x_____

Mini-Lab: A Mole of Paperclips & Other Items

Weigh each item and calculate how much each item weighs as single, a dozen, in a gross, and a mole.

Item	**mass of Single (1)**	**mass of Dozen (12)**	**mass of Gross (12^2)**	**Molar mass (6.02×10^{23})**
Ex.				
Paper clip				
pencil or pen				
eraser				

NOW FOR SOME SCIENCE!!!!!!

How much would the following elements weigh in atomic mass units?

Item	**mass of Single (1)**	**mass of Dozen (12)**	**mass of Gross (12^2)**	**Molar mass (6.02×10^{23})**
sulfur	32.06 amu			
hydrogen	_____ amu			
Au				
NaCl				
C_3H_8				