

Just write the numerical answer, do not include units in your answer.

Go out two (2) decimal places and include a leading 0 if necessary. Ex: 0.03

1. Calculate the mass of 1.000 mole of  $\text{CaCl}_2$
2. Calculate grams in 3.0000 moles of  $\text{CO}_2$
3. Calculate number of moles in 32.0 g of  $\text{CH}_4$
4. Determine mass in grams of 40.0 moles of  $\text{Na}_2\text{CO}_3$
5. Calculate moles in 168.0 g of  $\text{HgS}$
6. Calculate moles in 510.0 g of  $\text{Al}_2\text{S}_3$
7. How many moles are in 27.00 g of  $\text{H}_2\text{O}$
8. Calculate how many grams are in 0.700 moles of  $\text{H}_2\text{O}_2$
9. Find mass in grams of 9.03 moles of  $\text{H}_2\text{S}$
10. Determine grams in 1.204 mole of  $\text{NH}_3$