

## Grams/Moles Calculations

Given the following, find the number of moles:

- 1) 30 grams of  $\text{H}_3\text{PO}_4$
  
- 2) 25 grams of HF
  
- 3) 110 grams of  $\text{NaHCO}_3$
  
- 4) 1.1 grams of  $\text{FeCl}_3$
  
- 5) 987 grams of  $\text{Ra}(\text{OH})_2$
  
- 6) 564 grams of copper
  
- 7) 12.3 grams of  $\text{CO}_2$
  
- 8) 89 grams of  $\text{Pb}(\text{CH}_3\text{COO})_4$

*Given the following, find the number of grams:*

- 9) 4 moles of  $\text{Cu}(\text{CN})_2$
  
- 10) 5.6 moles of  $\text{C}_6\text{H}_6$
  
- 11) 21.3 moles of  $\text{BaCO}_3$
  
- 12) 1.2 moles of  $(\text{NH}_4)_3\text{PO}_3$
  
- 13)  $9.3 \times 10^{-3}$  moles of  $\text{SmO}$
  
- 14) 6.6 moles of  $\text{ZnO}$
  
- 15) 5.4 moles of  $\text{K}_2\text{SO}_4$
  
- 16) 88.4 moles of  $\text{NI}_3$