

Chemistry 11  
Mole II Check Point  
✓ Unit Conversions

Name: *key*  
Date:  
Block:

2 nacks = 7 nicks  
14 migs = 3 nacks

14 mags = 5 migs  
7 yacks = 3 yicks

4 yicks = 9 mags

3. If I have 5.43 nacks, how many yicks do I have?

$$5.43 \text{ nacks} \times \frac{14 \text{ migs}}{3 \text{ nacks}} \times \frac{14 \text{ mags}}{5 \text{ migs}} \times \frac{4 \text{ yicks}}{9 \text{ mags}}$$
$$= 31.5 \text{ yicks}$$

4. If I have 8.31 yicks, how many migs do I have?

$$8.31 \text{ yicks} \times \frac{9 \text{ mags}}{4 \text{ yicks}} \times \frac{5 \text{ migs}}{14 \text{ mags}}$$
$$= 6.68 \text{ migs}$$