



ate ANSWERS

Tutors! Adults! Help this young chemist by visiting <http://genest.weebly.com> with any smart phone

Show all set-ups!!

Given the following information:

$$1 \text{ quark} = 2.9 \text{ whos}$$

$$1 \text{ whos} = 5 \text{ mabees}$$

$$1 \text{ bug} = 3.7 \text{ quarks}$$

$$1 \text{ kuz} = 3.2 \text{ mabees}$$

1.) 3.0 quark to bug

$$3.0 \text{ QUARK} \times \left( \frac{1 \text{ BUG}}{3.7 \text{ QUARK}} \right) = 0.81 \text{ BUGS}$$

ON THIS SHEET, DON'T WORRY ABOUT SIG FIGS. THE UNITS ARE TOO INSCRUTABLE.

2.) 1.3 mabees to quark

$$1.3 \text{ MABEES} \times \left( \frac{1 \text{ WHO}}{5 \text{ MABEE}} \right) \times \left( \frac{1 \text{ QUARK}}{2.9 \text{ WHO}} \right) = 0.0896 \text{ QUARK}$$

s

3.) 7.0 whos to bugs

$$7.0 \text{ WHO} \times \left( \frac{1 \text{ QUARK}}{2.9 \text{ WHO}} \right) \times \left( \frac{1 \text{ BUG}}{3.7 \text{ QUARK}} \right) = 0.652 \text{ BUG}$$

DON'T WORRY ABOUT SIG FIGS  
ON THIS SHEET

4.) 8.75 kuz to quarks

$$8.75 \text{ KUZ} \times \left( \frac{3.2 \text{ MABEE}}{1 \text{ KUZ}} \right) \times \left( \frac{1 \text{ WHO}}{5 \text{ MABEE}} \right) \times \left( \frac{1 \text{ QUARK}}{2.9 \text{ WHO}} \right) = 1.93 \text{ Quarks}$$

5. 2.5 bug to kuz

$$2.5 \text{ BUG} \times \left( \frac{3.7 \text{ QUARK}}{1 \text{ BUG}} \right) \times \left( \frac{2.9 \text{ WHO}}{1 \text{ QUARK}} \right) \times \left( \frac{5 \text{ MABEE}}{1 \text{ WHO}} \right) \times \left( \frac{1 \text{ KUZ}}{3.2 \text{ MABEE}} \right) = 41.9$$

6.)  $2.0 \times 10^{-3}$  quarks to mabees

$$2.0 \times 10^{-3} \text{ QUARK} \times \left( \frac{2.9 \text{ WHO}}{1 \text{ QUARK}} \right) \times \left( \frac{5 \text{ MABEE}}{1 \text{ WHO}} \right) = 0.029 \text{ mabee}$$

7.) 900. quarks to whos

$$900. \text{ QUARK} \times \left( \frac{2.9 \text{ WHO}}{1 \text{ QUARK}} \right) = 2610 \text{ WHO}$$

1 QUARK = 2.9 WHOS  
1 WHO = 5 MABEES  
1 BUG = 3.7 QUARKS  
1 KUZ = 3.2 MABEES