**Chem 1013: mini-quiz #18: mole and dozen basics**

3 April 2013 5 pts

Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Useful facts: 1 dozen = 12 1 mole count=chemist’s dozen = 6.02\*1023**

1. **If a dozen eggs weighs 500 grams, how many dozen eggs in 3500 grams ? \_\_\_\_\_\_dozen**
2. **If a mole of benzene weighs 78 g, how many moles in 390 g of benzene? \_\_\_\_\_\_mole**
3. **If a dozen eggs weighs 500 grams, how many eggs in 3500 grams ? \_\_\_\_\_eggs**
4. **If a mole of benzene weighs 78 g, how many molecules of benzene in 390 g of benzene ? \_\_\_\_\_\_\_\_\_\_**

**Molecules**

1. **What does one mole of CO2 weigh ? \_\_\_\_\_\_g/mol**

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