**Unit 1 Study Guide ® Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_**

**Find the sum or difference.**

**1.) 56.8 + 15.3 2.) 1.5451 – 0.03**

**Multiply.**

**3.) 7.46 x 0.2 4.) 8.05 x 0.40**

**Divide.**

**5.)** $6\sqrt{1.26}$ **6.)** $5.0\sqrt{7.05}$

**Find the GCF of each set of numbers:**

**7.) 3 and 7 GCF= \_\_\_\_\_\_ 8.) 4 and 12 GCF=\_\_\_\_\_\_\_**

**9.) Mrs. Grabowski baked 30 oatmeal cookies and 40 chocolate chip cookies. She wants to divide the cookies into containers with the same amount of cookies in each container. She wants the container to hold the *greatest number* possible. How many containers will she need?**

 **Find the LCM of each set of numbers:**

 **10.) 3 and 7 LCM = \_\_\_\_\_ 11.) 4, 5, and 10 LCM= \_\_\_\_\_\_\_**

 **12.) Mr. Dean attends Football practice every 3 days. Mr. O’Neal attends Football practice every 4 days. If they both attend practice today, how many days will it be before they both attend practice again on the same day?**

**Change each mixed number into an *improper* fraction.**

**13.)** $1\frac{4}{7}$ **=** $\frac{}{7}$ **14.)** $2\frac{5}{6}$ **=** $\frac{}{6}$

**Multiply.**

**15.)** $\frac{1}{3} × \frac{3}{5}$ **16.)** $1 \frac{1}{3} ×2\frac{1}{4}$

**Divide.**

**17.)** $\frac{6}{9} ÷ \frac{2}{3}$ **18.)** $1\frac{1}{6}÷\frac{8}{9}$ **19.)** $2\frac{1}{3} ÷1\frac{5}{6}$

**20.) Mrs. Stone’s class is making pillow cases. Each pillow case uses** $\frac{5}{8}$ **of a yard of fabric. How many pillow cases can they make out of** $12\frac{1}{2}$ **yards of fabric?**