**Unit 1 Study Guide**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**** +   ****– 

***11  
1***

****+   ****– 

Carol jumped  feet less than the winning jump of feet.  
How far did Carol jump?

Your uncle lives 20 miles away. So far, your family has driven  
 miles towards your uncle’s house. How much farther is it to  
your uncle’s house?

**Find the prime factorization of each number using a factor tree.**

**7.** 630 **8.** 64 **9.** 76

**Find the GCF for each set of numbers.**

**13.** 65 and 195 **14.** 42 and 63 **15.** 24 and 60

**First estimate. Then find each sum or difference.**

**7.** 0.228 **+** 20.6 **8.** 6.09 **−** 3.7 **9.** 0.8 **−** 0.325

**Find each product or quotient.**

**5.   6.** of 35

**7.  8. **

**Solve.**

**9.** Kisha plans to double a recipe for cookies. The original recipe  
calls for cups of flour. How much does she need for the  
doubled recipe? Write as a mixed number in simplest form.



**10.** You want to cut a 10-foot board into foot lengths. How many  
pieces will you have?

11. A choir director is arranging 240 students in rows for the spring

concert. She wants the same number of students in each row, and each  
row can be no more than 8 students long. What are the possible  
arrangements of students she can make?

**Find the LCM for each set of numbers.**

**30.** 8 and 10 **31.**26 and 30