

**Answer on Question #80840 – Math – Combinatorics | Number Theory  
Question**

GCF of 22 and 99

**Solution**

GCF(22; 99)=Greatest Common Factor(GCF) of 22 and 99.

Find the prime factors of each number.

Note that  $22=2*11$  and  $99=3*3*11=3^2*11$ . We get that only 11 is the common factor and it is the greatest common factor, hence  $GCF(22; 99)=11$ .

**Answer:**  $GCF(22; 99)=11$ .