

Teacher:	Subject/Grade: 5	Date: 7/20/06
Framework: 5N.8 Apply the number theory concepts of common factor, common multiple, and divisibility rules for 2, 3, 5, and 10 to the solution of problems. Demonstrate an understanding of prime and composite numbers.		
Objective (what should students know and be able to do)	Students will identify the greatest common factor (GCF) of 2 digit number pairs.	
Materials	Multiplication chart recording paper GCF worksheet (generated by Softschools.com)	
Vocabulary	Factor Product Common factor	
Launch	<ol style="list-style-type: none"> 1. Start with factoring 14, using the factoring tree method. 2. Discuss factors and prime factors. Circle the prime factors. 3. Factor the number 24. Circle the prime factors. 4. Draw a Venn diagram to place common factors. 5. Multiply common factors to get the GCF. 	
Explore	<p>Students will factor each number pair given and find the Greatest Common Factor.</p> <p>They will draw out the factor trees for each pair, circle the prime factors, and use the Venn diagram to identify the common factors. They will show how they multiplied to find the GCF.</p>	
Summarize	Increase the two numbers to find GCF.	
Homework		