

Name:	Class:		
Greatest common factor			
Find the greatest common factors of the r	numbers below.		
Example: Find the greatest common factor	or of 72 and 24.		
1. Find the prime factors of each number	2. Find and circle the prime factors that the numbers have in commom		
72 = 2 x 2 x 2 x 3 x 3 24 = 2 x 2 x 2 x 3	$72 = 2 \times 2 \times 2 \times 3 \times 3$ $24 = 2 \times 2 \times 2 \times 3$		
3. The greatest common factor of the num common prime factors together. 2 x 2 x	bers can be found by multiplying their 2 x 3 = 24 So, the GCF of 72 and 24 is 24.		
The GCF of 22 and 121 is	The GCF of 28, 54 and 80 is		
The GCF of 91 and 52 is	The GCF of 32, 4 and 20 is		
he GCF of 12 and 96 is	The GCF of 96, 48 and 24 is		
The GCF of 75 and 90 is	The GCF of 98, 7 and 28 is		





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72 = 2 x 2 x 2 x 3 x 3	the numbers have in commom $72 = 2 \times 2 \times 2 \times 3 \times 3$		
24 = 2 x 2 x 2 x 3 x 3	$24 = 2 \times 2 \times 2 \times 3 \times 3$		
	21-0.0.0.0		
3. The greatest common factor of the num	bers can be found by multiplying their		
	$2 \times 3 = 24$ So, the GCF of 72 and 24 is 24.		
The GCF of 22 and 121 is	The GCF of 28, 54 and 80 is		
22 = 2 × 11	28 = 2 x 2 x 7		
11) 121 = 11 x 11	2 $54 = 2 \times 3 \times 3 \times 3$		
	80 = 2 x 2 x 2 x 2 x 5		
The GCF of 91 and 52 is	The GCF of 32, 4 and 20 is		
91 = 7 x 13	32 = 2 x 2 x 2 x 2 x 2 x 2		
13 52 = 2 x 2 x 13	4) 4 = 2 × 2		
	20 = 2 x 2 x 5		
The GCF of 12 and 96 is	The GCF of 96, 48 and 24 is		
	$48 = 2 \times 2 \times 2 \times 2 \times 3$		
	$96 = 2 \times 2 \times 2 \times 2 \times 2 \times 3$		
$ \begin{array}{c} 12 = 2 \times 2 \times 3 \\ 96 = 2 \times 2 \times 2 \times 2 \times 2 \times 3 \end{array} $			
	24 = 2 × 2 × 2 × 3		
12 96 = 2 x 2 x 2 x 2 x 2 x 3			
12 96 = 2 x 2 x 2 x 2 x 2 x 3 The GCF of 75 and 90 is	The GCF of 98, 7 and 28 is		
10			