

Greatest common factor			
Find the greatest common factor	s of the numbers below.		
Example: Find the greatest comr	mon factor of 72 and 24.		
. Find the prime factors of each not	number 2. Find and circle the prime factors that the numbers have in commom $72 = 2 \times 2 \times 2 \times 3 \times 3$ $24 = 2 \times 2 \times 2 \times 3$		
	the numbers can be found by multiplying their er. $2 \times 2 \times 2 \times 3 = 24$ So, the GCF of 72 and 24 is 24.		
The GCF of 18 and 90 is	The GCF of 14, 98 and 35 is		
The GCF of 54 and 16 is	The GCF of 19, 38 and 95 is		
The GCF of 54 and 16 is  The GCF of 45 and 5 is	The GCF of 19, 38 and 95 is  The GCF of 10, 75 and 100 is		



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## **Greatest common factor**

Find the greatest common factors	s of the numbers below.			
Example: Find the greatest common factor of 72 and 24.				
1. Find the prime factors of each number				
72 2 2 2 2 2	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 nu	umbers can be found by multiplying their			
common prime factors together. 2 x 2	2 x 2 x 3 = 24 So, the GCF of 72 and 24 is 24.			
The GCF of 18 and 90 is	The GCF of 14, 98 and 35 is			
18 = 2 x 3 x 3	14 = 2 × 7			
18 90 = 2 x 3 x 3 x 5	7 98 = 2 x 7 x 7			
	35 = 5 x 7			
The GCF of 54 and 16 is	The GCF of 19, 38 and 95 is			
54 = 2 x 3 x 3 x 3	19 = 19			
2 ) 16 = 2 x 2 x 2 x 2	19 38 = 2 x 19			
	95 = 5 x 19			
The GCF of 45 and 5 is	The GCF of 10, 75 and 100 is			
45 = 3 x 3 x 5	10 = 2 x 5			
5 5 = 5	5 75 = 5 x 5 x 5			
	100 = 2 x 2 x 5 x 5			
The GCF of 30 and 40 is	The GCF of 26, 78 and 52 is			
$30 = 2 \times 3 \times 5$	26 = 2 × 13			
10 40 = 2 x 2 x 2 x 5	26 78 = 2 x 3 x 13			
	F2 - 2 2 17			