

Greatest Common Factor or GCF of two or more numbers is the largest number that is a factor of the given set or group of numbers. It is the largest whole number that will divide evenly into the set or group of numbers.

Example: Find the GCF of 16 and 36 Solution: First, find all of the factors of 16 and 36.

Factors of 16: (1, 2, <mark>4</mark>, 8, 16) Factors of 36: (1, 2, 3, <mark>4</mark>, 6, 9, 12, 18, 36)

The common factors shared by 16 and 36 are: 1, 2, and 4

Since 4 has the largest value of the common factors it is the greatest common factor. So..... our sentence is: The greatest common factor (GCF) of 16 and 36 is 4.





④ Multiply this together to get the LCM:

 $2 \times 2 \times 2 \times 3 = 24$