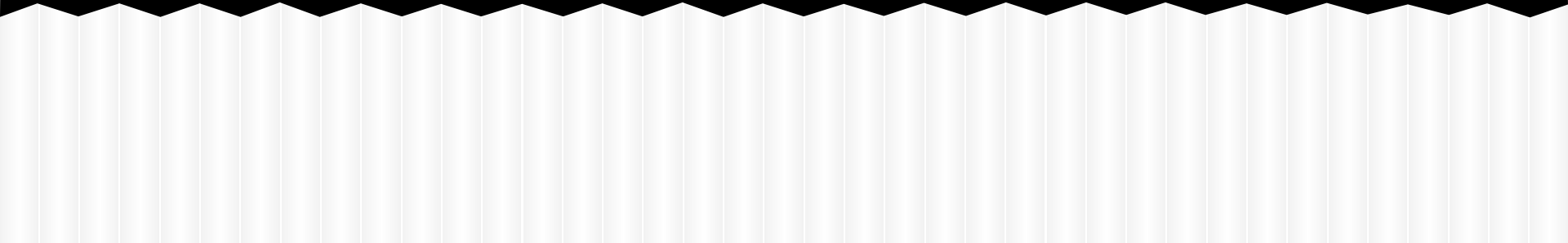


Lowest Common Multiple (LCM)

A horizontal dotted line in a light green color, positioned directly below the title text.

LCM

A horizontal dotted line consisting of small green dots, spanning the width of the slide.

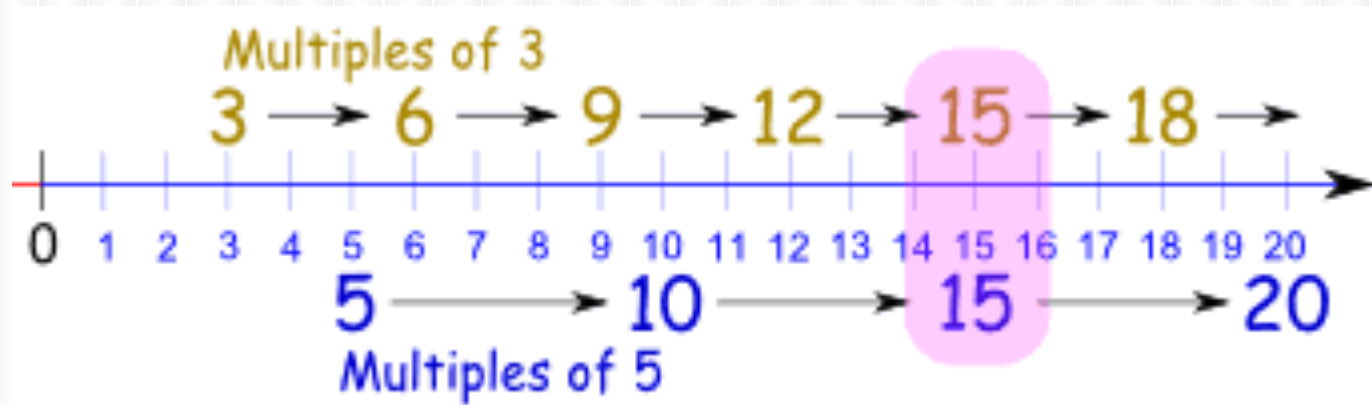
The Lowest Common Multiple of two or more numbers, is the '*smallest*' number that can be divided evenly by these numbers.

Step 1: List the Prime Factorization for each number (using a Factor Tree)

Step 2: Multiply all the prime factors together to find the LCM

Example 1

What is the LCM of 3 and 5?

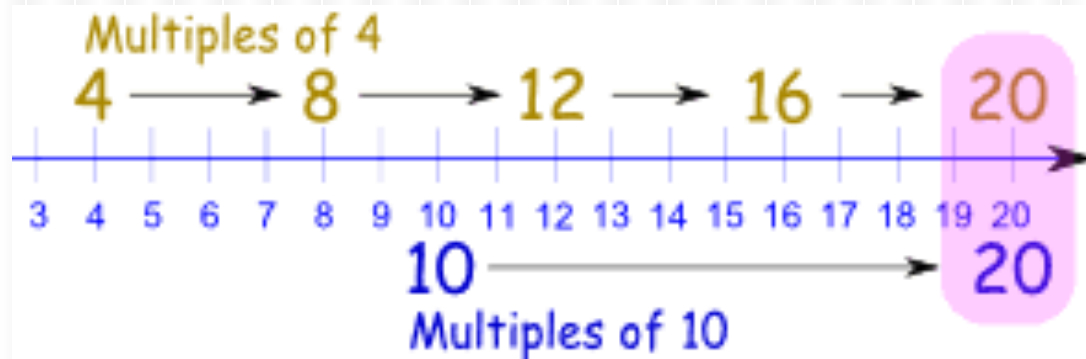


The **Least Common Multiple of 3 and 5 is 15**

15 is a common multiple of 3 and 5, and is the smallest (least) common multiple

Example 2

Find the LCM between 4 and 10



So, the LCM between 4 and 10, is 20

Classwork/Homework

Find the LCM of

1. 36 and 40
2. 50 and 60
3. 84 and 56
4. 21, 105 and 63

Complete Assignment on MHS