|  |  |  |
| --- | --- | --- |
| **MODULE:** 2 | **LESSON:** 2 | LEAST COMMON MULTIPLE |

*The* ***least common multiple (LCM)*** *of two or more numbers is the common multiple with the least value.*

*One way to find the LCM is to list the first several multiples of each number.*

***Find the least common multiple (LCM) of 3, 6, and 9***

***Step 1:*** *List* ***some*** *multiples of each number.*

***Step 2:*** *Find the least value that is in all the lists.*

*Factors of 3:* ***3, 6, 9, 12, 15, 18, 21***

*Factors of 6:* ***6, 12, 18, 24, 30***

*Factors of 9:* ***9, 18, 27, 36, 45***

***The LCM is 18***

***\*\*\*SHORTCUT: Just start listing the multiples of the largest number until you come across a common multiple of each.***