

Name: Class:

Least common multiple

Find the least common multiple (LCM) of the numbers below.

Example : Find the least common multiple of 3 and 4.

1. Find the multiples of each number

3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39...

4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...

2. Find and circle the common multiples

3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39...

4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...

3. The common multiples of 3 and 4 are :

24, 36...

3. The least common multiple of 3 and 4

is 24.

The LCM of 5 and 9 is :

The multiples of 5 are :

The multiples of 9 are :

The LCM of 5 and 9 is :

The LCM of 2 and 11 is :

The LCM of 7 and 21 is :

The LCM of 6 and 7 is :

The LCM of 3 and 5 is :

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Example : Find the least common multiple of 3 and 4.

<p>1. Find the multiples of each number</p> <p>3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39...</p> <p>4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...</p>	<p>2. Find and circle the common multiples</p> <p>3 : 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39...</p> <p>4 : 4, 8, 16, 20, 24, 28, 32, 36, 40...</p>
<p>3. The common multiples of 3 and 4 are : 24, 36...</p>	<p>3. The least common multiple of 3 and 4 is 24.</p>

The LCM of 5 and 9 is :	45	<p>Multiples of 5 : 5, 10, 15, 20, 25, 30, 35, 40, 45, 50...</p> <p>The multiples of 9 are : 9, 18, 36, 45, 54, ... 99, 108...</p> <p>The LCM of 5 and 9 is : 45</p>
The LCM of 2 and 11 is :	22	<p>The multiples of 2 are : 2, 4, 6, 8, 10, 12... 18, 20, 22...</p> <p>Multiples of 11 : 11, 22, 33, 44...</p> <p>The LCM of 2 and 11 is : 22</p>
The LCM of 7 and 21 is :	21	<p>Multiples of 7 : 7, 14, 21, 28, 35, 42, 49, 56, 63, 70...</p> <p>Multiples of 21 : 21, 42, 63...</p> <p>The LCM of 7 and 21 is : 21</p>
The LCM of 6 and 7 is :	42	<p>Multiples of 7 : 7, 14, 21, 28, 35, 42, 49, 56, 63, 70...</p> <p>Multiples of 6 : 6, 12, 18, 24, 30, 36, 42, ...</p> <p>The LCM of 6 and 7 is : 42</p>
The LCM of 3 and 5 is :	15	<p>The multiples of 3 are : 3, 6, 9, 12, 15, 18, 21, 24, 27...</p> <p>Multiples of 5 : 5, 10, 15, 20...</p> <p>The LCM of 3 and 5 is : 15</p>