

Least Common Multiple: Part 1

To find the **least common multiple**, or **LCM**, of two numbers, start by listing the multiples of each number. Then, find the smallest number that appears in both lists.

6 6, 12, 18, 24, **30**, 36...

10 10, 20, **30**, 40, 50, 60...

The LCM of 6 and 10 is **30**.

Find the least common multiple of each pair of numbers. Start by listing the multiples of each number to help you. **Students may list a different number of multiples**

<p>1.</p> <p>3 3, 6, 9, 12, 15</p> <p>5 5, 10, 15</p> <p>LCM: <u>15</u></p>	<p>2.</p> <p>2 2, 4, 6, 8, 10, 12, 14</p> <p>7 7, 14</p> <p>LCM: <u>14</u></p>
<p>3.</p> <p>4 4, 8, 12</p> <p>6 6, 12</p> <p>LCM: <u>12</u></p>	<p>4.</p> <p>3 3, 6, 9, 12, 15, 18, 21, 24</p> <p>8 8, 16, 24</p> <p>LCM: <u>24</u></p>
<p>5.</p> <p>5 5, 10, 15, 20, 25, 30, 35</p> <p>7 7, 14, 21, 28, 35</p> <p>LCM: <u>35</u></p>	<p>6.</p> <p>6 6, 12, 18</p> <p>9 9, 18</p> <p>LCM: <u>18</u></p>
<p>7.</p> <p>8 8, 16, 24, 32, 40, 48, 56, 64, 72</p> <p>9 9, 18, 27, 36, 45, 54, 63, 72</p> <p>LCM: <u>72</u></p>	<p>8.</p> <p>5 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55</p> <p>11 11, 22, 33, 44, 55</p> <p>LCM: <u>55</u></p>