

# Module 5: Number Theory Tools

Live #33: Jul 12 – Aug 8, 5:00 – 6:30 p.m. ET

Tue	Wed	Thu	Fri	Sat	Sun	Mon
<b>Jul 12</b> <b>Day 1</b> Modular Arithmetic	<b>Jul 13</b> <b>Day 2</b> Remainders Modulo 3 and 9	<b>Jul 14</b> <b>Day 3</b> Remainders Modulo 2, 4, and 8	<b>Jul 15</b> <b>Day 4</b> Another Modulus	Jul 16	Jul 17	<b>Jul 18</b> <b>Review 1</b> Review Week 1 Challenge Problems
<b>Jul 19</b> <b>Day 5</b> Factors	<b>Jul 20</b> <b>Day 6</b> Trailing Zeroes	<b>Jul 21</b> <b>Day 7</b> GCD and LCM	<b>Jul 22</b> <b>Day 8</b> Euclidean Algorithm	Jul 23	Jul 24	<b>Jul 25</b> <b>Review 2</b> Review Week 2 Challenge Problems
<b>Jul 26</b> <b>Day 9</b> Repeating Patterns	<b>Jul 27</b> <b>Day 10</b> Chinese Remainder Theorem	<b>Jul 28</b> <b>Day 11</b> Not Relatively Prime	<b>Jul 29</b> <b>Day 12</b> More Remainders	Jul 30	Jul 31	<b>Aug 1</b> <b>Review 3</b> Review Week 3 Challenge Problems
<b>Aug 2</b> <b>Day 13</b> Integer Equations	<b>Aug 3</b> <b>Day 14</b> Powers	<b>Aug 4</b> <b>Day 15</b> Divisibility by Seven	<b>Aug 5</b> <b>Day 16</b> Rational Numbers	Aug 6	Aug 7	<b>Aug 8</b> <b>Review 4</b> Review Week 4 Challenge Problems