


Optional eLearning Activities
Middle School Math

Math

Friday, April 10 th	Monday, April 13 th
<p><u>The 24 Card Game</u></p> <p>What you need to play:</p> <p>A deck of playing cards</p> <p>How to play:</p> <p>Step 1: Each player picks 4 number cards at random from the pile.</p> <p>Step 2: Find a way to manipulate the 4 digits using any of the 4 operations (+, -, x, ÷) so the result is 24. For example, if they chose 4, 7, 8, 8, they could do $(7 - (8 \div 8)) \times 4 = 24$.</p> <p>Step 3: If nobody is able to reach 24, then the closest wins!</p>	<p>Watch the 6 minute video on understanding and drawing Fibonacci spirals: Khan Academy Fibonacci Spirals</p> <p>After watching the video above, look at the image (a nautilus shell) below and have a discussion with another household member about what you notice. You can even attempt to draw one of the images, if you would like!</p> 

Additional Resources:

- Other Fibonacci videos and resources
 - [Khan Academy Video 2](#)
 - [Khan Academy Video 3](#)
 - [Fibonacci Flowers](#)
 - [Other Math Card Games](#)