Pk-8Matewan
NTI
Week 1 May

Grade Level: 6,7,8	**Content Area: Math**
Date: May 6 **Teacher:tcparker@k12.wv.us Another way to contact me is: livegrades**	

Note from Teacher:
I hope this message finds you all well and safe. Remember to social distance

Today's Lesson:
Theoretical probability is the likelihood that an event will happen. Take a coin for instance, if you flip a fair coin meaning it has heads and tails the theoretical probability that the coin will land on either heads or tails is 1:2. The reason for this is you have 2 outcomes a heads or a tails and on a single flip you can get only one of the two outcomes, either heads or tails. So it's 50% for either one.

Assignment:
Now it's your turn. Take a coin, any coin, and flip it 50 times. After each flip record whether you flipped head or tails. After 50 flips record your results. Take the same coin and do the activity again. Were the results the same? Why or why not? What do you think would happen if you did this another 50 times? It's easy to assume that you will get a 50% of the time result but that's not always the case. However, it is a fair coin with only 2 choices so why did you get the results you received.

Record your answers as fractions convert them to simplest form and then convert them to decimal and percentage form. Which form makes the most sense to you to describe the outcome of the problem? Why?