Weekly Math Mania

Topic: Probability

Date Due: Tuesday March 29th, 2016

YOU MUST: Rate yourself on a scale of 1 to 5 on your understanding of each standard below.

1 represents "I am clueless."
5 represents "I completely understand this concept."

Learning Targets

I can find the probability of a simple event & its complement.
Find and compare experimental & theoretical probabilities.

Family Engagement

Please carry out the following experiment with a family member and record your findings on the page titles "Family Engagement"

Toss a coin 24 times and record the number of times you see heads and tails. See whether they are about the same, indicating the probability of 50%, Then toss TWO coins 24 times and record the number of times you land on 2 heads or 2 tails, or 1 head and 1 tails. See whether tossing 2 heads or 2 tails occurs about 25% of the times and tossing 1 head and 1 tails occurs 50% of the time.

Words at Work

Probability
Simple Event
Outcome
Random
Complementary Events
Uniform Probability model
Theoretical Probability
Experimental Probability

Independent Practice

Page 715-716 (1-11 all)

Pg 725-726 (1-8 all)

You may tear the page out and staple it to this packet.

Math in the Real World

Pg 718 (24 & 25)

Pg 728 (13 & 14)

Do NOT tear these out. Simply record your answers on the Math in the Real World page..

Choose either the online activity or the textbook activity.

Online Activity

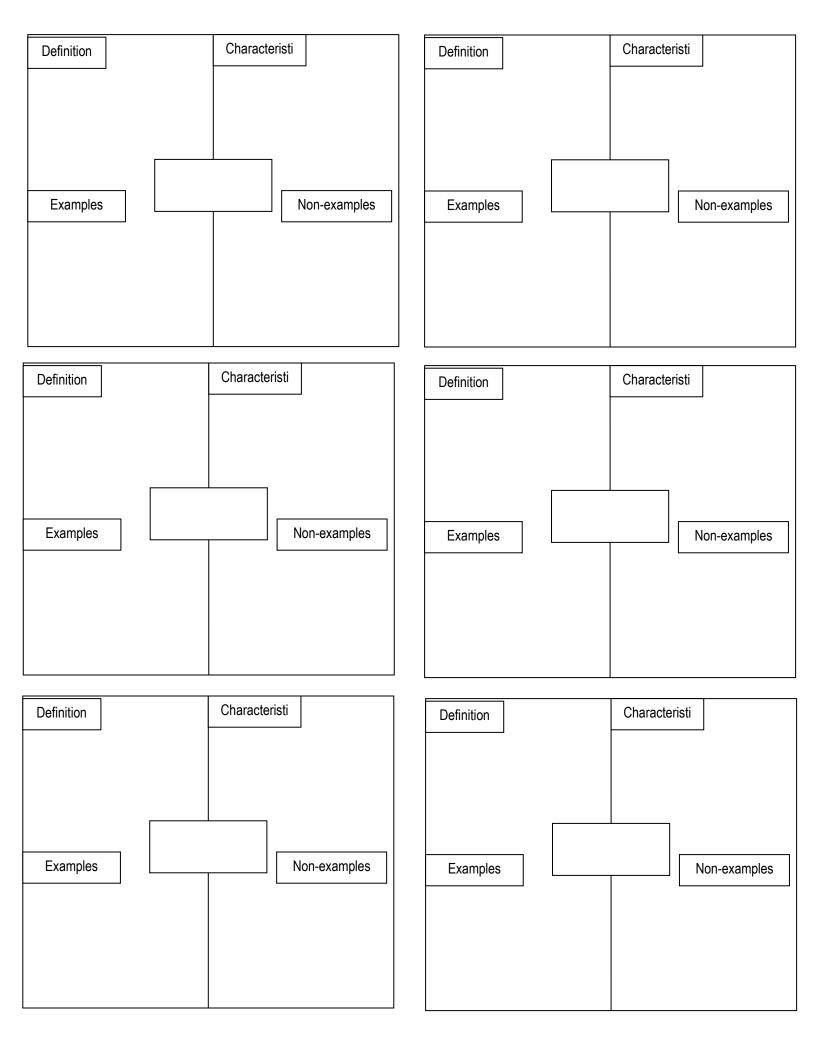
Must do the Textbook activity

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Textbook Activity

Real World Link on page 721. No need to tear the page out, I have provided a copy of the page in this packet

FAMILY ENGAGEMENT



Math in the Real World

ONLINE OR TEXT BOOK ACTIVITY

Carnival Games The prize wheels for a carnival game are shown. You receive a less expensive prize if you spin and win on wheel A. You receive a more expensive prize if you spin and win on wheel B.





In a uniform probability model, each outcome has an equal probability of happening.

- Which wheel has uniform probability?
- Use a paperclip and the tip of your pencil to spin each wheel 4 times. Record your results.

Spin	Wheel A	Wheel B
I		
2		
3		
4		

3. Why do you think winners on wheel A receive a less expensive prize than winners on wheel B?