

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.

<p>Family Engagement</p> <p>Please carry out the following experiment with a family member and record your findings on the page titled "Family Engagement"</p> <p>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%,</p> <p>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.</p>	<p>Words at Work</p> <p>Probability</p> <p>Simple Event</p> <p>Outcome</p> <p>Random</p> <p>Complementary Events</p> <p>Uniform Probability model</p> <p>Theoretical Probability</p> <p>Experimental Probability</p>
<p>Independent Practice</p> <p>Page 715-716 (1-11 all)</p> <p>Pg 725-726 (1-8 all)</p> <p>You may tear the page out and staple it to this packet.</p>	<p>Math in the Real World</p> <p>Pg 718 (24 & 25)</p> <p>Pg 728 (13 & 14)</p> <p>Do NOT tear these out. Simply record your answers on the Math in the Real World page..</p>
Choose either the online activity or the textbook activity.	
<p>Online Activity</p> <p>Must do the Textbook activity</p> <p>→</p>	<p>Textbook Activity</p> <p>Real World Link on page 721. No need to tear the page out, I have provided a copy of the page in this packet</p>

FAMILY ENGAGEMENT

Definition	Characteristi	
Examples		Non-examples

Definition	Characteristi	
Examples		Non-examples

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Examples		Non-examples

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Examples		Non-examples

Definition	Characteristi	
Examples		Non-examples

Definition	Characteristi	
Examples		Non-examples

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.

Wheel A



Wheel B



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

1. Which wheel has uniform probability? _____
2. Use a paperclip and the tip of your pencil to spin each wheel 4 times. Record your results.
3. Why do you think winners on wheel A receive a less expensive prize than winners on wheel B?

Spin	Wheel A	Wheel B
1		
2		
3		
4		
