PROBABILITY STATIONS

Go to each station, read the instructions carefully, and complete the first table for each station.

Skittles Station

1. Choose a color:
2. What do you hypothesize the probability is of you retrieving that color?

	Purple	Red	Orange	Yellow	Green
Tally					
Total # of Skittles					

3. What was the total number of Skittles?
4. What color was retrieved most?

	Purple	Red	Orange	Yellow	Green
Probability (fraction)					
Probability (decimal)					
Probability (percentage)					

5. Based on these results what is the probability of retrieving your chosen color?

Coin Flip Station

1. What are the possible outcomes when flipping a coin?
2. What should be the probability of each outcome?

	Head	Tails
Tally		
Total # of Flips		

3. How does your result compare to your prediction?

	Head	Tails
Probability (fraction)		
Probability (decimal)		
Probability (percentage)		

4. Based on your results, what is the probability of landing on tails?

Dice Station

1. How many different results are possible in one round?
2. If each option is equally likely, how many times would you expect each outcome to occur in 20 rounds?

	1	2	3	4	5	6
Tally						
Total # of each number						

3. How do your results compare to your hypothesis?

	1	2	3	4	5	6
Probability (fraction)						
Probability (decimal)						
Probability (percentage)						

4. Why might the results not be exactly equal?

Spinner Station

1. How many equal sections are on the spinner?
2. What do you predict the probability is of the spinner landing on each color?

	Red	Purple	Green	Orange	Blue	Yellow
Tally						
Total # of spins						

3. Which color did the spinner land on most?

	Red	Purple	Green	Orange	Blue	Yellow
Probability (fraction)						
Probability (decimal)						
Probability (percentage)						

4. Based on your results, what is the probability of the spinner landing on Green?

Hoop Station

1. What is your prediction for the probability of making a basket from 3 feet away? Give a reason for your prediction.

	Made	Missed
Tally		
Total # of attempts		

	Made	Missed
Probability (fraction)		
Probability (decimal)		
Probability (percentage)		

2. How does skill affect the probability of making a basket?

3. Based on your results, what is the probability of making a basket?