Probability Stations

Station 1: Animal Die

1. Look at the die and make the following predictions:
   a. Is it <u>more likely</u> that you will roll a monkey or a hippo? mony

   b. Is it <u>less likely</u> that you will roll a tiger or a monkey? tiger

   c. Is it <u>equally likely</u> that you will roll a tiger or a hippo? hippo

   yes or no?

2. Roll the die 20 times. Record your results on the tally chart below.
3. Compare your results with your predictions. Did your results match your predictions? Why or why not? Yes, Because the total is Tiger had 2, Hippo had 8, Monkey had 10
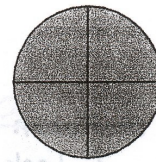
   good!

4. Using the probability vocabulary (more likely, less likely, equally likely), write a statement that is true based on your results. more likely

	Tally	Total
Tiger	‖	2
Hippo	⦀⦀	8
Monkey	⦀⦀	10

Station 2: Spinner Fun

1. Look at **Spinner One** and make the following prediction:
    a. Is the spinner <u>more likely</u>, <u>equally likely</u>, or <u>less likely</u> to land on one color than another? equally likely

2. Spin **Spinner One** 10 times and record your results on the tally chart below for **Spinner One**.

3. Look at **Spinner Two** and make the following prediction:
    a. Is the spinner <u>more likely</u>, <u>equally likely</u>, or <u>less likely</u> to land on one color than another? less likely Red and Blue

4. Spin **Spinner Two** 10 times and record your results on the tally chart below for **Spinner Two**.

5. Compare your results from **Spinner One** and **Spinner Two**. What is different between **Spinner One** and **Spinner Two**? there difrent colors, in Spiner 2 Yellow is biger. And in spinner 1 the shares are equally.

6. Using the probability vocabulary (more likely, less likely, equally likely), write a statement that is true based on your results for **Spinner One** and for **Spinner Two**.
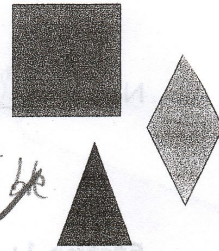
great!

awesome!

Spinner One

	Tally	Total
Pink		4
Green		6
Orange		3

Spinner Two

	Tally	Total
Red		4
Blue		
Yellow		5

Station 3: Shape Draw

1. Look at the shapes and make the following predictions:

   a. Is it <u>possible</u> or <u>impossible</u> to draw a blue triangle? *inPossible*

   b. Is it <u>more likely</u> that you will draw a square or a diamond? *Square*

   c. Is it <u>less likely</u> that you will draw a triangle or a square? *Square* ✓

   d. Is it <u>certain</u> that you will draw a diamond every time? *not certain*

2. Draw from the bag 15 times and record your results on the tally chart below. Put the shape back in the bag after each draw.

3. Compare your results with your predictions. Did your results match your predictions? Why or why not?

4. Using the probability vocabulary (more likely, less likely, equally likely), write a statement that is true based on your results.

	Tally	Total
Square		7
Diamond	HH |||	8
Triangle	HH |||	6

Station 4: Coin Toss:

1. Look at the coin and make the following predictions:
   a. Is it <u>certain</u> that coin will land on heads every time? NO

   b. Is it <u>more likely</u>, equally likely, or <u>less likely</u> that the coin will land on head or tails? equally likely

   great!

2. Flip or drop the coin 20 times and record your results on the tally chart.
3. Compare your results with your predictions. Did your results match your predictions? Why or why not?

4. Using the probability vocabulary (more likely, less likely, equally likely), write a statement that is true based on your results.

	Tally	Total
Heads	~~HHH~~ ~~HHH~~ ~~HH~~	12
Tails	~~HHH~~ ~~HH~~	8