

Name: _____

Date: _____

Our goal is to discover math concepts in a safe, real world environment.

Coin Flipping

Information

Many people use the flip of a coin to make a wide variety of differing decisions and choices. We will discover why they are convenient.

We call the result of an experiment or situation an **outcome**.

Critical Thinking Questions

1. What possible outcomes are you able to get from a coin flip?
2. Is every outcome equally likely?
3. How can you tell if a coin is fair?

Experiment

1. Retrieve 10 coins from the teacher.
2. Flip these 10 coins, 10 times each for a total of 100 attempts.
3. Record your results as you go in the space below:

4. Report your findings on the whiteboard.

5. Compare with a neighbor, is your average outcome the: same, greater, less?
6. Retrieve another die from the teacher.
7. Roll your 2 dice 15 times.
8. Record the sum of your dice as you go in the space below:

9. Calculate the average of your outcomes in the space below:

10. Compare with a neighbor, is your average outcome the: same, greater, less?

How did you like this activity?

0	1	2	3	4	5
Not at all					Best thing since sliced bread

How can this activity be improved?