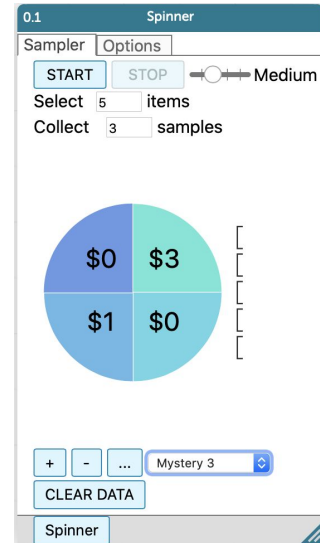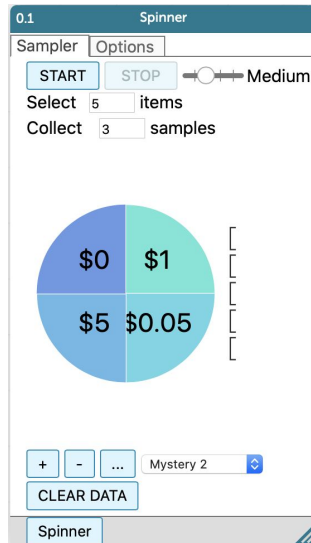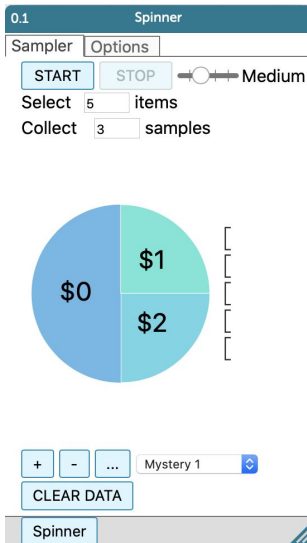**Lesson 5: Activity 1 "Expected Value"**

Name:_____   Hour:_____

Directions: Below are three mystery discs. One of the discs is fair, one is skewed toward the house, and one for the player. **Participants must pay $1.00 for each spin**. In the space below the pictures calculate the expected value for each mystery disc. Indicate below each picture if the disc is fair, player, or house-skewed.

0.1	Spinner
Sampler	Options

START   STOP   ⊸⊕⊢ Medium
Select 5   items
Collect 3   samples

$1
$0
$2

[
[
[
[

+ - ... Mystery 1 ⇕
CLEAR DATA
Spinner

0.1	Spinner
Sampler	Options

START   STOP   ⊸⊕⊢ Medium
Select 5   items
Collect 3   samples

$0 $1
$5 $0.05

[
[
[
[

+ - ... Mystery 2 ⇕
CLEAR DATA
Spinner

0.1	Spinner
Sampler	Options

START   STOP   ⊸⊕⊢ Medium
Select 5   items
Collect 3   samples

$0 $3
$1 $0

[
[
[
[

+ - ... Mystery 3 ⇕
CLEAR DATA
Spinner

Mystery Disc 1: Expected Value Calculations (show work below): Expected Value = _____