

Name: \_\_\_\_\_

Probability Experiment:  
**Symbol Spinner**

### Part 1: Mathematical Probability

Determine the mathematical probability for each color if you spin the spinner 20 times.  
Write the probability in the table.

suit	club	heart	spade	diamond
probability				

### Part 2: Test the Probability

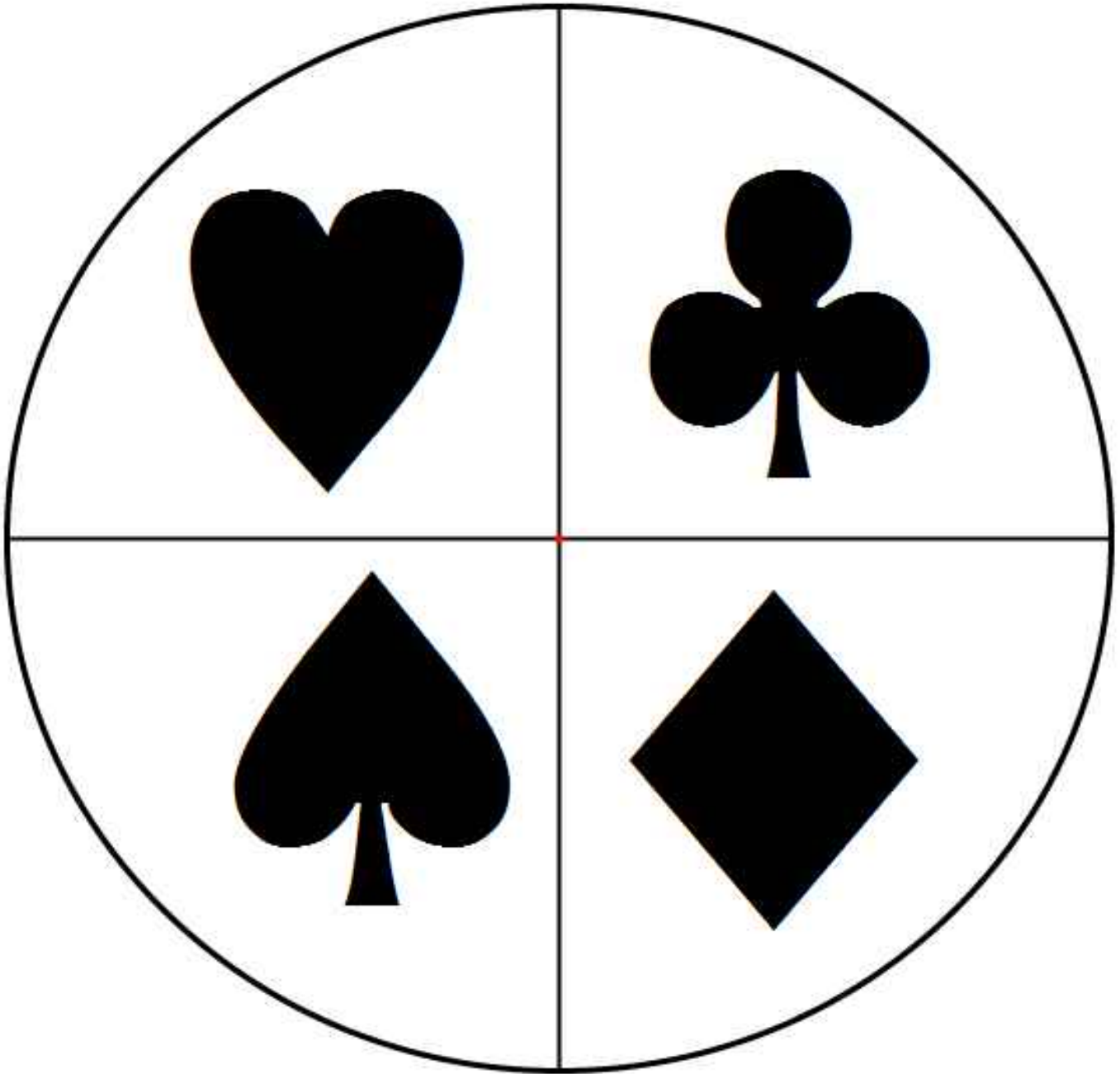
Now determine the experimental probability. Spin the spinner 32 times and keep a tally of your results in the table below.

color	club	heart	spade	diamond
tally				

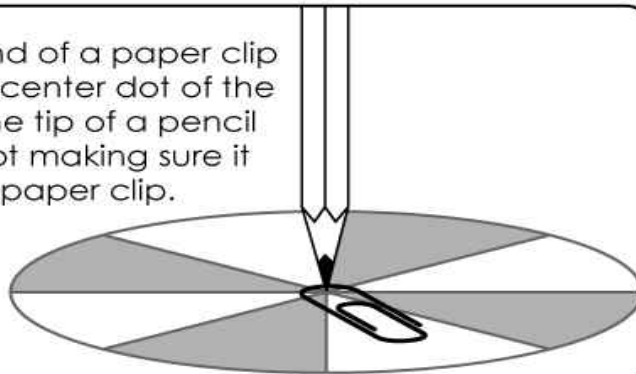
### Part 3: Experimental Probability

Count your tally marks and determine the experimental probability.  
Write the experimental probability in the table.

Color	club	heart	spade	diamond
probability				



Place the large end of a paper clip so it is around the center dot of the spinner. Place the tip of a pencil on the center dot making sure it is inside the paper clip.



# ANSWER KEY

## Probability Experiment: Symbol Spinner

### Part 1: Mathematical Probability

Determine the mathematical probability for each color if you spin the spinner 20 times. Write the probability in simplest form and out of 20.

suit	club	heart	spade	diamond
probability	<u>1 out of 4</u> or <u>4 out of 20</u>	<u>1 out of 4</u> or <u>4 out of 20</u>	<u>1 out of 4</u> or <u>4 out of 20</u>	<u>1 out of 4</u> or <u>4 out of 20</u>

### Part 2: Test the Probability ANSWERS WILL VARY

Now determine the experimental probability. Spin the spinner 32 times and keep a tally your results in the table below.

color	club	heart	spade	diamond
tally				

### Part 3: Experimental Probability ANSWERS WILL VARY

Count your tally marks and determine the experimental probability. Write the probability in simplest form and out of 32.

Color	club	heart	spade	diamond
probability				