

Name: _____

The Horse Race

Eleven horses enter a race. The first one to pass the finish line wins.

How the game works:

This game will be played online. I will send you a link to the game.

Place counters on the starting squares labeled 2 to 12.

Roll the two dice and add the scores. The horse with that number moves one square forward. Keep rolling the dice. The horse that is first past the finishing line wins.

Stop rolling when the first horse wins and record the position of all the horses on your recording sheet.

https://www.map.mathshell.org/lesson_support/probability_games/index.html

Answer the following questions about the horse race.

1. Predict (**before playing**) the outcome of the race.
 - a. 1st place:
 - b. 2nd place:
 - c. 3rd place:
 - d. Last place :(
2. Explain your reasoning to your prediction above.

3. Play the game twice. Record the results here:

Name: _____

	Start											Finish	
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
		1	2	3	4	5	6	7	8	9	10	11	12

	Start											Finish	
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
		1	2	3	4	5	6	7	8	9	10	11	12

4. Look for any patterns in the game board. What do you notice?

5. Which horses are most likely to win? Why?

6. Which horses are least likely to win? Why?

7. Could any of the horses win the race? Explain.

8. Do all of the horses have the same "odds" of winning the race? Explain.