is Wheel of Fortune rigges?

Tiers B/C

Act One: Who

In the game show Wheel of Fortune, contestants spin a wheel to determine how much money they'll win. To the nearest percent, how often do you expect the wheel to land on each of the following amounts?



Amount	\$300 5	\$350	\$400	\$450	\$500
Pieces	24	24	24	24	24
Percent	21%	4%	4%	4%	13%
Amount	\$550	\$600	\$700	\$800	\$900
Pieces	24	24	24	24	24
Percent	4%	870	4%	470	8%
Amount	\$3500	\$1 million	Free Play	Lose Turn	BANKRUPT
Pieces	24	24	24	24	23 8 2
Percent	4%	1%	4%	4%	11%

Pick one of the percents above and explain what it means within the context of Wheel of Fortune

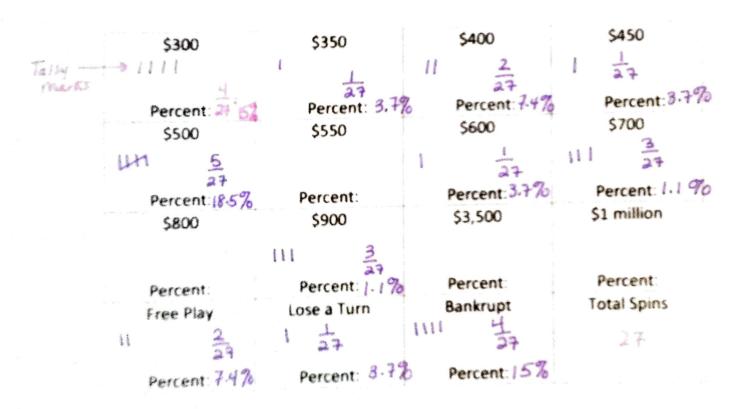
It is really difficult to get \$1 mill > only 170. Most likely to get \$300.

If you watched an episode of Wheel of Fortune, what would need to happen for you to be suspicious that the how was rigged? Explain

If a contestant gets bankrupt 50% of the time.

Act Two: Wheel of Fortune

5. On the first page, you figured out the https://doi.org/10.10. Now you will be watching the episode (you have been given the link) and recording the experimental probability. While watching this episode, be sure to change the speed to 0.5 and record the results of the spins on the chart below. Put tally marks in the chart below each time the amount is spun. Some of the spins land on bonuses, which are cards on top of one of these amounts, so look carefully! After the game is finished, compute the percentages of each amount.



Compare the theoretical and experimental probability of spinning \$500 on the wheel.

Experimental is much higher than the theoretical.

This is probably because there were not a lot of trials.

 Compare the theoretical and experimental probability of spinning "bankrupt" on the wheel.

Theoretical - 11 %

These are pretty close.

Exp - 15%

8. Based on your results, do you think the game show, Wheel of Fortune, is rigged? Why or why not?

Do you think it is fair ?

Yes, because the # of bankrupts in the experimental is not so different from the theoretical.