

HUNGER GAMES ODDS

Based on past results, one can make an educated guess at the odds the boys and girls coming from each district have of winning. Boys tend to win more than girls and Districts 1, 2, and 4 win the most often.

Odds against winning the Hunger Games

[Odds against = number of failures to number of successes]

District Number	Male Odds	Female Odds	District Number	Male Odds	Female Odds
1	7-1	18-1	7	25-1	50-1
2	8-1	15-1	8	30-1	45-1
3	25-1	70-1	9	40-1	60-1
4	7-1	14-1	10	35-1	50-1
5	20-1	40-1	11	25-1	60-1
6	24-1	70-1	12	37-1	74-1

1.	Which tribute(s) has the best odds of winning?	
2.	As a fraction, what is the probability this tribute will win?	
3.	As a decimal, what is the probability this tribute will win?	
4.	Which tribute has the worst odds of winning?	
5.	As a fraction, what is the probability this tribute will win?	
6.	As a decimal (nearest thousandth), what is the probability this tribute will win?	
7.	Write your answer to #6 as a percentage.	
8.	Which tribute has a probability of winning of $\frac{1}{15}$?	
9.	Which female tribute has the best odds of winning?	
10.	Which tribute(s) has about a 5% chance of winning?	
11.	Which tribute is closest to a 2% chance of winning, without going under 2%?	
12.	Which tribute has a probability of losing of $\frac{35}{36}$?	
13.	List all of the tributes in order from most likely to win to least likely to win.	