

# Experimental Probability

$$\text{Experimental Probability} = \frac{\text{Number of Favorable Outcomes}}{\text{Total Number of Trials}}$$

1. A pair of dice are rolled 200 times. An odd sum appeared 92 times. Based on the results, what is the experimental probability that the two dice will show a sum that is an odd number?

Number of Favorable Outcomes =

Total Number of Trials =

2. A coin was flipped 150 times. The tail side appeared 76 times. Based on the results, what is the experimental probability that the flipped coin will show a head?

Number of Favorable Outcomes =

Total Number of Trials =

3. Two coins were flipped 12 times and results are shown below.

Trial	1	2	3	4	5	6	7	8	9	10	11	12
1st Coin	H	T	T	H	T	H	H	T	H	H	T	H
2nd Coin	T	H	H	H	H	T	T	H	H	T	H	T

Based on the results, what is the experimental probability of each:

- a) A tail is flipped at least once.

Number of Favorable Outcomes =

Total Number of Trials =

- b) Both coins are the same.

Number of Favorable Outcomes =

Total Number of Trials =