

Miki tosses a coin 50 times, and the coin shows tails 28 times.

What is the experimental probability of Miki getting tails?

$$P(\text{tails}) = \frac{28}{50}$$

Kalvin flips a small paper cup 50 times and a large paper cup 30 times. The table below shows the results of his experiments.

Where Cup Lands	Small Paper Cup	Large Paper Cup
Side	39 times	22 times
One of Its Ends	11 times	8 times

What is the experimental probability of the small paper cup landing on its side?

$$P(\text{small cup on side}) = \frac{39}{50}$$

What is the experimental probability of the large paper cup landing on one of its ends?

$$P(\text{large cup on end}) = \frac{8}{30}$$

Colby rolls a number cube 50 times. The table below shows the results of her experiment.

Number	Frequency
1	6
2	6
3	6
4	6
5	11
6	6



What is the THEORETICAL probability of rolling an odd number?

$$P(\text{odd}) = \frac{3}{6} = \frac{1}{2}$$

If Colby rolls the number cube 1000 times, about how many times can she expect to roll an odd number? Show your work using the THEORETICAL probability.

$$\frac{1}{2} \bullet 1000 = \text{about 500 times}$$

What is the EXPERIMENTAL probability of rolling an odd number?

$$P(\text{odd}) = \frac{23}{50}$$

If Colby rolls the number cube 1000 times, about how many times can she expect to roll an odd number? Show your work using the EXPERIMENTAL probability.

$$\frac{23}{50} \bullet 1000 = \text{about 460 times}$$