

# Probability

Do you believe in chance?



# What is probability?

Probability or chance is how likely something is to happen:

If something has a low probability, it is unlikely to happen.

If something has a high probability, it is likely to happen.

What are fractions?

What are decimals?

What are percentages?

Probabilities can be shown on a scale between 0 (impossible) and 1 (certain).



If I had no air and water for a year, what is the probability that I would live?

A single 6-sided die is rolled. What is the probability of rolling a number less than 7?



Flipping a coin and getting heads?



0



1

If I had no air and water for a year, what is the probability that I would live?

A single 6-sided die is rolled. What is the probability of rolling a number less than 7?



Flipping a coin and getting heads?



0%



100%

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A single 6-sided die is rolled. What is the probability of rolling a number less than 7?



Flipping a coin and getting heads?

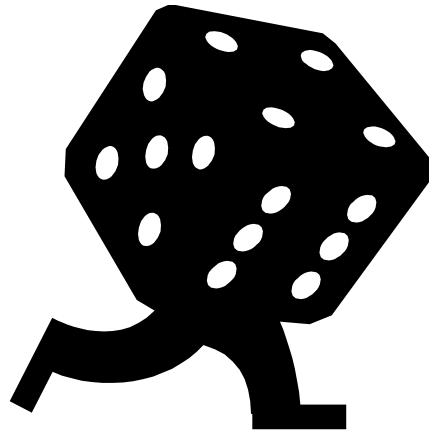


0/10



10/10

What is the probability of rolling a 4?





What is the probability of rolling a 4 with 3 different dice?  
Would it change the probability?

