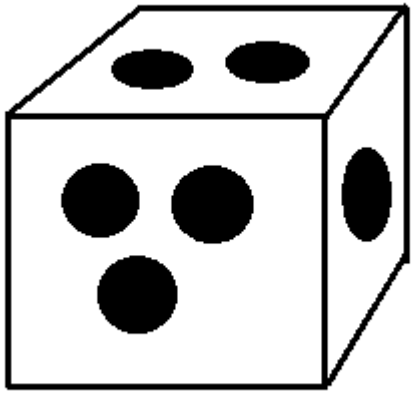
Jimbo bought a dice and wants to use it to test the probability of certain things, help him by answering his questions.



What is the probability of rolling a number lower than 6, but higher than 2?

What is the probability of rolling a 6 twice

What is the probability of rolling an even number?

What is the probability of rolling an odd number?

What is the probability of rolling a number higher than 2

Jimbo is playing a board game, and he needs a 6 and a 4 to win the game. What is the probability of him rolling a 6 and then a 4 consecutively?

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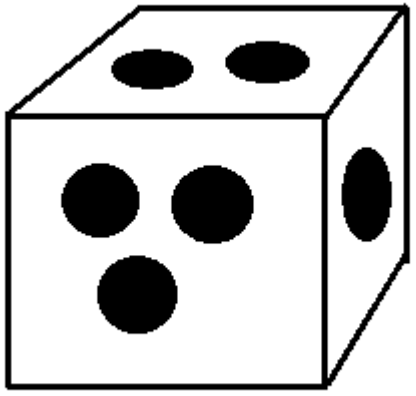

What is the probability of rolling a number lower than 6, but higher than 2
You need to roll either a 3,4, or 5 as you need lower than 6 and higher than 2. So, you have a 3/6 change of getting your desired number, or a ½ chance.

What is the probability of rolling a 6 twice
You have to get the ⅙ chance of rolling a 6 twice, so you would write the expression ⅙ x ⅙, which equates to 1/36.

What is the probability of rolling an even number?
There are 3 even numbers on a dice, meaning it's a 3/6 chance, or ½ when simplified.

What is the probability of rolling an odd number?
There are 3 odd numbers on a dice, meaning it's a 3/6 chance, or ½ when simplified.

What is the probability of rolling a number higher than 2
Higher than two, or 3,4,5, and 6. You have 4 possibilities, in which case it's 4/6 or ⅔.

Jimbo is playing a board game, and he needs a 6 and then a 4 to win the game. What is the probability of him rolling a 6 and then a 4 consecutively?
You need to roll a 6 (⅙), and a 4 AFTER it, (⅙ as well). Simply multiply the two together and get 1/36.