

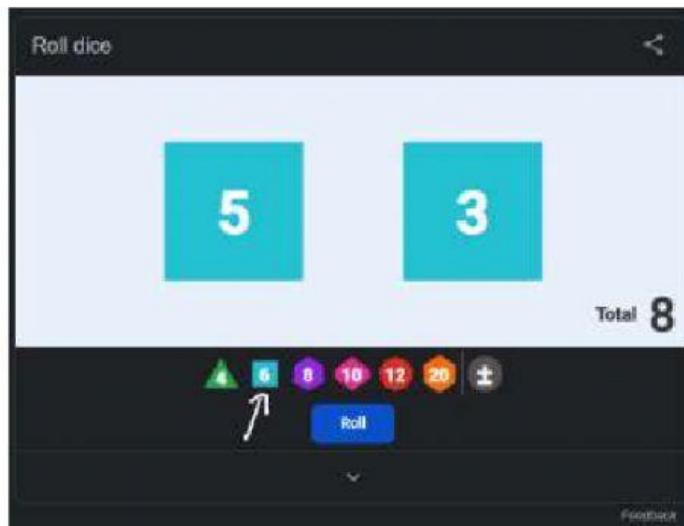
Suppose you're rolling two 6-sided dice, and adding the results of the two dice together

Fill out the following table to represent all the possible events. One of them has been done for you.

	1	2	3	4	5	6
1						
2					7	
3						
4						
5						
6						

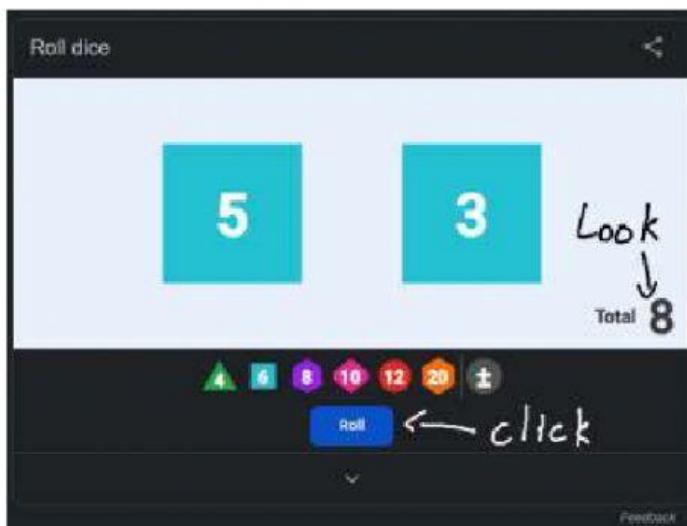
What is the theoretical probability of your result being greater than or equal to 7? ( $result \geq 7$ )

Google “dice roller” and click on the square with a 6 in it to have 2 6-sided dice.



Click on “Roll” then look at the “Total” and record whether it is greater than or equal to 7, or not.

**Do this at least 12 times.**



How many times did you roll?

How many did you get  $total \geq 7$ ?

Based on your experiment, what is the probability of getting  $total \geq 7$  ?

Is it different from the theoretical probability you calculated before? Why do you think that is?