

5. Sam rolled a six sided die 24 times. **His results are shown below**

Roll #1	3	Roll #9	3	Roll #17	5
Roll #2	5	Roll #10	5	Roll #18	4
Roll #3	1	Roll #11	4	Roll #19	6
Roll #4	1	Roll #12	2	Roll #20	2
Roll #5	1	Roll #13	4	Roll #21	5
Roll #6	3	Roll #14	6	Roll #22	3
Roll #7	6	Roll #15	3	Roll #23	5
Roll #8	5	Roll #16	1	Roll #24	4







What is the experimental probability of Sam rolling an odd number?

7. Johnny is rolling a die 25 times. His results are shown to the right:

a. What is Johnny's experimental probability of rolling a 5?

b. What is the theoretical probability of rolling a 5?

c. Compare Johnny's experimental probability to his theoretical probability. Are they close or not close? Explain how you know.

# on cube	# of results
	4 times
	8 times
	2 times
	1 time
	4 times
	1 time

8. A gumball machine contains blue, orange, yellow, red, and purple gumballs. Another machine contains red and blue jolly ranchers. You want to purchase candy from each machine. What is the probability you will get a red gumball and an blue jolly rancher?

9. Jerald is ordering a pizza for dinner. The probability of him ordering a large pizza that has pepperoni is $\frac{8}{20}$. According to this probability, is it very likely, somewhat likely, or not at all likely that he will pick a large pizza that has pepperoni? Explain how you know.