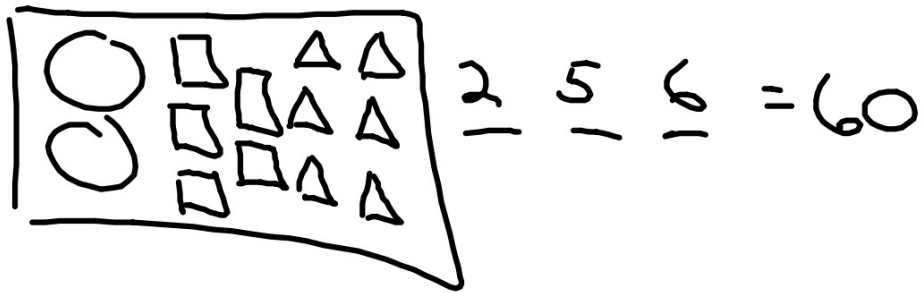


Counting



10 9 8 26 25 24
#'s Letters

9 8 7 6 5 4 3 2 1 = 9!

5 things, want 2

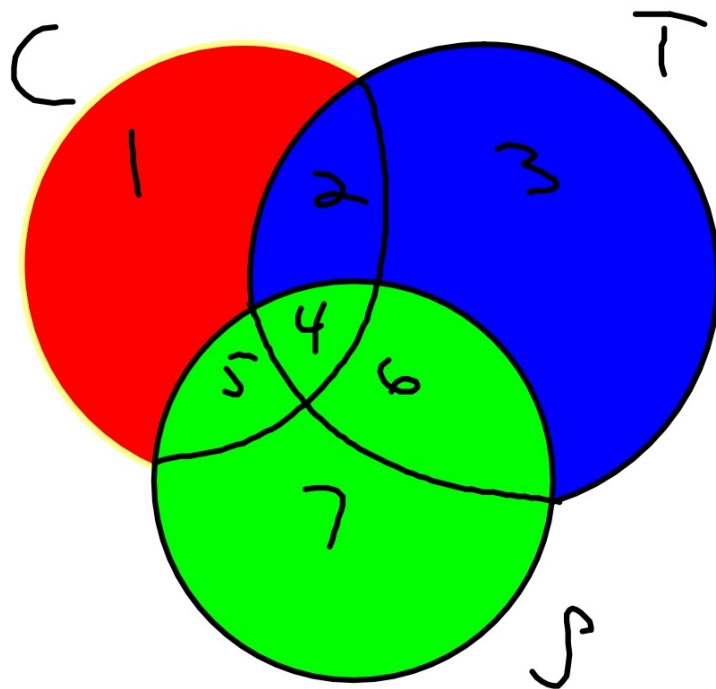
Order Matters ${}_5P_2$

Order does not matter ${}_5C_2$

$nPr(,)$

$$\text{APPLE} = \frac{5!}{2!} = 60$$

$$\text{ASPARAGUS} = \frac{9!}{3!2!} = 30240$$



Probability

$$P = \frac{c}{-1/1} \quad O = \frac{c}{+1/1}$$

	9	10	11	12	
Y	3	8	7	2	20
Z	11	9	4	5	29
	14	17	11	7	49