

mobius

Probability Counting - Choose N Letters from M, Probability Counting - To nCm



4	N	otation		2						
What's the chance of drawing 2					What's the chance of drawing 2					
TA	0	vowels from this nCm not	A	M	G	VOW	vowels from this set? Show in nCm notation.			
GH	Α	$A \qquad \frac{_{3}P_{2}}{_{7}B_{2}}$	$\frac{_{3}P_{2}}{_{7}P_{2}}$	L	0	Α	A	$\frac{{}_{3}P_{2}}{{}_{6}P_{2}}$	В	$\frac{{}_{3}C_{2}}{{}_{6}C_{2}}$
D		$C \qquad \frac{{}_3C_2}{{}_7C_2}$	$\begin{array}{cc} D & & \frac{_3P_2}{_6C_2} \end{array}$				С	$\frac{{}_3P_2}{{}_6B_2}$	D	$\frac{{}_{3}P_{2}}{{}_{5}C_{2}}$
		$\begin{bmatrix} E & \frac{3}{7}P_2 \end{bmatrix}$	$F \qquad \frac{{}_2C_3}{{}_7P_2}$				E	$\frac{{}_{2}C_{3}}{{}_{6}P_{2}}$	F	$\frac{{}_3B_2}{{}_6B_2}$
3		What's the chance	e of drawing 2	4			Wha	it's the cha	nce of dra	awing 3
QU	0	vowels from this nCm not	U	O	0	vowels from this set? Show in				
AU		$\begin{array}{c} A & \frac{_3C_3}{_5B_2} \end{array}$	$\frac{4P_2}{5P_2}$	D	E		Α	$\frac{{}_{3}C_{4}}{{}_{3}C_{5}}$	В	$\frac{{}_{4}B_{3}}{{}_{5}P_{3}}$
		$\begin{array}{cc} C & \frac{2C_4}{5P_2} \end{array}$	$\begin{array}{cc} D & & \frac{2}{4}C_{4} \\ & & \end{array}$				С	$\frac{{}_{4}C_{3}}{{}_{5}C_{3}}$	D	$\frac{_{4}P_{3}}{_{3}C_{5}}$
		$E \qquad \frac{{}_{4}C_{2}}{{}_{5}C_{2}}$	$F \qquad \frac{{}_{3}C_{2}}{{}_{5}P_{2}}$				E	$\frac{{}_{4}P_{3}}{{}_{5}P_{3}}$	F	$\frac{{}_{3}C_{4}}{{}_{5}C_{3}}$
5 0 0	N	What's the chance vowels from this nCm not	6 E	vowels from this set? Show in						
IO		$\begin{array}{c} A & \frac{_3C_2}{_2C_5} \end{array}$	$\frac{{}_{3}C_{3}}{{}_{2}C_{5}}$	В	C		A	$\frac{{}_{3}P_{2}}{{}_{2}C_{5}}$	В	$\frac{{}_{5}C_{4}}{{}_{5}R_{2}}$
		$C \qquad \frac{_4P_2}{_2C_5}$	$\begin{array}{cc} D & & \frac{4C_2}{2C_5} \end{array}$		v		С	$\frac{{}_3P_2}{{}_5B_2}$	D	$\frac{{}_{3}P_{2}}{{}_{5}P_{2}}$
		$\begin{array}{ccc} E & & \frac{4C_2}{5C_2} \end{array}$	$F \qquad \frac{{}_{4}P_{2}}{{}_{6}C_{2}}$				E	$\frac{{}_{2}C_{3}}{{}_{5}P_{2}}$	F	$\frac{{}_{3}C_{2}}{{}_{5}C_{2}}$
What's the chance of drawing 2 vowels from this set? Show in nCm notation.			What's the chance of drawing 3 vowels from this set? Show in nCm notation.							
EU	Α	$\begin{array}{c} A & \frac{2C_4}{5C_2} \end{array}$	$\begin{array}{ccc} B & & \frac{_4R_2}{_6P_2} \end{array}$		Q	E	Α	$\frac{{}_{4}B_{3}}{{}_{3}C_{7}}$	В	$\frac{_{6}C_{3}}{_{7}P_{3}}$
L L		$C \qquad \frac{_4P_2}{_7C_2}$	$\begin{array}{cc} D & & \frac{2}{6}C_4 \\ & \end{array}$			·	С	$\frac{{}_{4}P_{3}}{{}_{7}R_{3}}$	D	$\frac{{}_{4}C_{3}}{{}_{7}C_{3}}$
		$\frac{E}{{}_2C_6}$	$F \qquad \frac{{}_{4}C_{2}}{{}_{6}C_{2}}$				Е	$\frac{{}_{3}C_{4}}{{}_{7}P_{3}}$	F	$\frac{{}_{5}C_{5}}{{}_{7}R_{3}}$