Week 6: Counting

.	9 have a 6-sided die. 9 noll it 5 times. ABCDE 51
(a)	How many sequences of 5 numbers?
	How many sequences of 5 numbers? 65 6 choices per spot 11213, 55143, 65423,
(b)	How many sequences like 66666? 1
	like x, x, x, x, x, x; \(\{ 5,6 \} \) ? 25
	55565V 66656V 46654X
(c)	How many contain at least one 3?
	$6^5 - 5^5 = 4651$ 31333 66653 12456X
	$5.6^4 = 5.1296 = 6480$ $$
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