Total combinations in a deck of cards is 52 factorial

52! = 8.07E+67 combinations 80,658,175,170,943,900,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000

	Description	Scientific Notation	Decimal Notation	Units	Source
Continuous shuffling, once per second	Shuffles per second	1.000E+00	1	Shuffles / second	
	Shuffles per year	**3.156E+07**	**31,557,600**	**Shuffles / year**	
Walk from San Francisco to New York and back at the rate of one step per year	Steps per year	1.000E+00	1	Step / year	
	Meters per step	1.000E+00	1	m / step	
	Distance, SF to NY	4.671E+03	4671	km	
	Round-trip distance	9.342E+03	9342	km	
	Years for round trip	9.342E+06	9342000	years / round trip	
	Shuffles per round trip SF to NY	**2.948E+14**	**294,811,099,200,000**	**shuffles / round trip**	
Empty and fill the world's oceans at the rate of one-drop-per-slow-walk-round-trip SF to NY (9.342 million years per drop)	Drop of water	5.000E-02	0.05000	mL	https://www.quora.com
	Drop of water	5.000E-05	0.00005	L	
	Volume of all oceans	1.332E+09	1332000000	km^3	https://www.livescience.com
	Volume of all oceans	1.332E+18	1332000000000000000	m^3	
	Volume of all oceans	1.332E+21	1332000000000000000000	l	
	Number of drops to empty	2.664E+25	26640000000000000000000000	drops	
	Number of drops to empty and fill	5.328E+25	53280000000000000000000000	drops	
	Shuffles per empty & fill of oceans	**1.571E+40**	**15,707,535,365,376,000,000,000,000,000,000,000,000,000**	**Shuffles / empty & fill**	
Type every letter of every book ever written, emptying and filling the worlds oceans for each and every letter.	Average number of words in a book	1.000E+05	100000	words	Google
	Average number of letters in a word	4.500E+00	4.5	letters	Google
	Total number of books ever written	1.300E+08	130000000	books	Google
	Total number of letters	5.850E+13	58500000000000	letters	
	Shuffles completed	**9.189E+53**	**918,890,818,874,496,000,000,000,000,000,000,000,000,000,000,000,000,000**	**Shuffles**	
Are we there yet?	**Percent of possible deck combinations found**	**1.14E-12**	**0.000000000114%**	**percentage of possible decks so far achieved**	
You still have to…….	**Number of times you have to repeat ENTIRE process to find all possible combinations of a 52 card deck**	**8.778E+13**	**87,777,757,176,569**	**(87.8 trillion times)**	
Time required to fill 1st pint glass at 1 drop per 9.342 million years	Pint glass volume	4.730E+02	473	mL	
	Number of drops in a pint glass	9.460E+03	9460	drops	
	Number of years to fill a pint glass	8.838E+10	88,375,320,000	years	(88 billion years)
	Age of the Universe	1.38E+10	13,772,000,000	years	(13.8 billion years)