

D20 Probability Table

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2	1	2	4	6	7	9	10	12	13	14	15	16	17	18	18	19	19	**	**	**
	2			1	1	2	2	3	4	5	6	7	8	10	11	13	14	16	18	
3	1	3	5	8	10	12	13	15	16	17	18	18	19	19	19	**	**	**	**	**
	2		1	1	2	3	4	6	7	9	10	11	13	14	16	17	18	19	19	**
	3						1	1	1	2	3	3	4	5	7	8	10	12	15	17
4	1	4	7	10	12	14	15	16	17	18	19	19	19	**	**	**	**	**	**	**
	2		1	2	4	5	7	9	10	12	14	15	16	17	18	19	19	**	**	**
	3				1	1	2	3	4	5	6	8	10	11	13	15	16	18	19	**
	4							1	1	1	2	3	4	5	6	8	10	13	16	
5	1	5	8	11	13	15	17	18	18	19	19	**	**	**	**	**	**	**	**	**
	2		2	3	5	7	9	11	13	15	16	17	18	19	19	**	**	**	**	**
	3			1	1	2	3	5	6	8	10	12	14	15	17	18	19	19	**	**
	4						1	1	2	3	4	5	7	9	11	13	15	17	18	**
	5										1	1	2	2	3	5	7	9	12	15
6	1	5	9	12	15	16	18	18	19	19	**	**	**	**	**	**	**	**	**	**
	2	1	2	4	7	9	12	14	15	17	18	19	19	**	**	**	**	**	**	**
	3			1	2	3	5	7	9	11	13	15	16	18	19	19	**	**	**	**
	4				1	1	2	4	5	7	9	11	13	15	17	18	19	**	**	**
	5								1	1	2	3	5	6	8	11	13	16	18	19
	6										1	1	2	2	4	5	8	11	15	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
7	1	6	10	14	16	17	18	19	19	**	**	**	**	**	**	**	**	**	**	**
	2	1	3	6	8	11	13	15	17	18	19	19	**	**	**	**	**	**	**	**
	3		1	1	3	5	7	9	12	14	15	17	18	19	19	**	**	**	**	**
	4				1	1	3	4	6	8	10	12	14	16	17	19	19	**	**	**
	5						1	1	2	3	5	6	8	11	13	15	17	19	19	**
	6								1	1	2	3	5	7	9	12	14	17	19	**
	7										1	1	2	3	4	6	10	14		
8	1	7	11	15	17	18	19	19	**	**	**	**	**	**	**	**	**	**	**	**
	2	1	4	7	10	13	15	17	18	19	19	**	**	**	**	**	**	**	**	**
	3		1	2	4	6	9	11	14	16	17	18	19	19	**	**	**	**	**	**
	4				1	2	4	6	8	10	13	15	17	18	19	19	**	**	**	**
	5					1	1	2	3	5	7	10	12	14	16	18	19	**	**	**
	6						1	1	2	3	4	6	9	11	14	16	18	19	**	**
	7								1	1	2	3	5	7	10	13	16	19	**	**
	8										1	1	2	3	5	9	13			
9	1	7	12	15	17	18	19	**	**	**	**	**	**	**	**	**	**	**	**	**
	2	1	5	8	11	14	16	18	19	19	**	**	**	**	**	**	**	**	**	**
	3		1	3	5	8	11	13	15	17	18	19	19	**	**	**	**	**	**	**
	4			1	2	3	5	8	10	13	15	17	18	19	19	**	**	**	**	**
	5					1	2	3	5	8	10	12	15	17	18	19	**	**	**	**
	6						1	1	2	3	5	7	10	12	15	17	18	19	**	**
	7							1	1	2	3	5	7	9	12	15	17	19	**	**
	8										1	1	2	4	6	9	12	15	19	**
	9														1	2	3	5	8	13
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

Top row is number or less to be rolled on D20 for success in one trial, left-most column is number of events, second left column is number of successes. Roll indicated number or less on D20 to score indicated number of successes based on number of trials and chance of success per trial. ** indicates automatic success for at least this many events. *Example: 8 particle accelerators fire at a to hit of 12 – at least 2 potential hits occur automatically, 3 hits are scored on a 19-20, 4 on a 17-18, 5 on a 12-16, 6 on a 6-11, and 7 hits on a 1 or 2.*