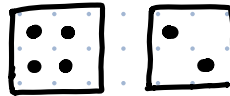


Two dice

What is the probability of getting six spots when rolling two dice?



1, 2, 3, 4, 5, (6)

$$P = \frac{n}{N} = \frac{1}{6}$$

(2), 3, 4, 5, (6), 7, 8, 9, 10, 11, (12)

$$P = \frac{1}{11} = 0.\overline{09}$$



NOT
equiprobable

$$P(6 \text{ w/ two dice}) = \frac{n}{N} = \frac{5}{36}$$

$$P(4) = \frac{3}{36} = \frac{1}{12}$$

$$P(11) = \frac{2}{36} = \frac{1}{18}$$

2nd die, blue

1st die
green

	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12