Sum of two dice (number cubes)

This table shows the results when you roll two dice and add the numbers:

Die #2

Die #1

	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

The table shows that when you roll 3 and 2, the sum is 5; read across from 3 to the 2 column. When you roll 5 and 6 the sum is 11; read across from 5 to the 6 column.

There are 36 outcomes when you roll 2 dice.

$P(\text{sum is 4}) = \dfrac{3}{36} = \dfrac{1}{12}$ $P(\text{sum} = 12) = \dfrac{1}{36}$

$P(\text{sum is 3}) =$ $P(\text{sum is 8}) =$

$P(\text{sum is 11}) =$ $P(\text{sum is 5}) =$

$P(\text{sum is 10}) =$ $P(\text{sum is 2}) =$

$P(\text{sum is 6}) =$ $P(\text{sum is 9}) =$

$P(\text{sum is 7}) =$