

A. Roll a pair of dice to complete the table below.

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

B. Use the table above to answer the questions below.

- How many possible outcomes are there when you roll a pair of dice? **36**
- How many ways can you get a sum of 1? **0**
- How many ways can you get a sum of 2? **1**
- How many ways can you get a sum of 3? **2**
- How many ways can you get a sum of 4? **3**
- How many ways can you get a sum of 5? **4**
- How many ways can you get a sum of 6? **5**
- How many ways are there to get a sum of 7? **6**
- How many ways are there to get a sum of 8? **5**
- How many ways are there to get a sum of 9? **4**
- How many ways are there to get a sum of 10? **3**
- How many ways are there to get a sum of 11? **2**
- How many ways are there to get a sum of 12? **1**

C. Complete the table below.

Sum of dice	2	3	4	5	6	7	8	9	10	11	12
# outcomes	1	2	3	4	5	6	5	4	3	2	1
probabilities	$\frac{1}{36}$	$\frac{2}{36}$	$\frac{3}{36}$	$\frac{4}{36}$	$\frac{5}{36}$	$\frac{6}{36}$	$\frac{5}{36}$	$\frac{4}{36}$	$\frac{3}{36}$	$\frac{2}{36}$	$\frac{1}{36}$