Rolling Dice Probability Activity

Name	
1. List all of the possible	outcomes if you roll the first die.
2. List all of the possible	outcomes for the second die.
3. List all of the possible	outcomes if you roll the two dice at the same time.
1. The sum of the did	ain, likely, unlikely, impossible, or equally likely. se being greater than 12:
_	r rolling two fours: ce being between 2 and 10:
	e first die and 1-6 on the second:
5. The sum of the tw	o dice being less than 4:

What is the probability of rolling...?

1 and 1	
Both even numbers	
A 2 and a 3	
Both odd numbers	
A number that adds up to 7	

Now, roll both dice together 20 times. Record the outcomes in the table below.

Event	Die 1	Die 2	Sum
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

What was the most common outcome? Why do you think this is?
Which one was the least common? Why do you think this is?
What outcomes were certain? Why?
What outcomes were impossible? Why?
Explain how you would find out the number of possible outcomes if you were given two dice with eight sides. Then do the math. What is the answer?
When might people use probabilities and predicting outcomes?