|  |  |
| --- | --- |
| **1.** **Make up a fair game that could be played with two number cubes.** | **2.****Eric makes up a new game. He rolls a number cube twice. If the numbers are both even, he wins. If the numbers are both odd, you win. Is this game fair? Why or why not?** |
| **3.****What is the probability of getting two reds?****Fill out the rest of the table.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Red** | **Blue** | **Yellow** |
| **Green** | **RG** | **BG** | **YG** |
| **Red** | **RR** | **BR** | **YR** |
| **Blue** |  |  |  |

 | **4.****Find the probability of rolling two sixes in a row on a six-sided number cube.** |
| **5.****What does it mean for a game to be fair?** | **6.****What is theoretical probability?** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |