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| **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?** |
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