

Is This a Fair Game? Student Exemplars

Level 1

The student makes an initial start that leads to a solution. The student correctly completes #1; however, it is not clear how the student knows that the game is fair.

Level 2

The student applies some relevant mathematical processes and makes minimal comparisons that lead to a partial solution. The work includes some incorrect mathematical equations. The student makes an effort to use standard notation to report on probability.

Level 3

The student develops thorough strategies and mathematical processes and makes reasonable comparisons that demonstrate a clear understanding. The student has a complete solution; however, there is no justification for #2.

Level 4

This student applies thorough strategies and mathematical processes and makes significant comparisons and connections that demonstrate a comprehensive understanding of the problem. The solution is correct and complete.