

Worksheet 3: Exploring Expected Value (Grades 7-9)

Name: _____

Date: _____

Objective: Understand the concept of expected value using dice.

Instructions: Assign point values to each face of a die (e.g., face 1 = 5 pts, face 2 = 2 pts, etc.).

Roll the die 50 times.

Multiply each result by its point value and calculate total score.

Reflection:

- Was your average close to the expected value?
- Why might it differ?

Use this tool: <https://FreeOnlineDiceRoller.com>