

Custom Dice Lab - Probability Worksheet

Name: _____

Date: _____

Instructions:

1. Design your own six-sided die. You may choose numbers, symbols, or point values for each face.
2. Record your custom values in the table below.
3. Roll your custom die 60 times using <https://FreeOnlineDiceRoller.com> (simulate manually if needed).
4. Compare results with a standard D6.
5. Discuss how your design changes the outcome probabilities.

Face	Custom Value	Tally	Frequency
1			
2			
3			
4			
5			
6			

Discussion:

- How does your custom die differ from a standard D6?
- What value or symbol appeared most frequently?
- Could your design be used in a board game or RPG? Why or why not?
- What are the benefits or challenges of using non-standard dice?

