Intermath Investigation: Rolling Dice
Student Directions

Roll a pair of dice 10 times, recording the sum of the two dice at each roll. What is the experimental probability of getting a sum of 7? A sum of 4? A sum of 2? How does this compare to the theoretical probability?

Roll the dice 20 more times, recording the sum each time. Consolidate this data with the previous data. What is the experimental probability of getting a sum of 7? A sum of 4? A sum of 2? How does this compare to the theoretical probability?

Use a spreadsheet to simulate a large number of trials or consolidate your data with other students in the class. Construct a distribution graph using the data. How does the number of trials affect the experimental probability?

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