

Through the Grapevine

PreK

Materials: Individual raisin boxes (1/2 ounces), enough for one box per student.

Discussion on the rug: (Teacher holds up an individual box of raisins.) **“How many raisins do you think this box holds? Why did you make that guess?”** (Teacher solicits answers from students.) **“Do you think each box holds exactly the same number of raisins? Why or why not?”** (Teacher solicits answers from students and then states that the class will investigate this question.)

In small groups: (Each student has an individual box of raisins. Each student counts the number of raisins in their box. They might count twice to double check. The teacher solicits the counts from each student. The teacher lists the counts and maybe creates a chart like a line plot to illustrate them. The teacher asks the following questions.)

“Which box had the most raisins?”

“Which box had the least raisins?”

“Why do you think there are different number of raisins in each box?”

“How many raisins would probably be in the next box you open? Explain why you think it would be that number.”

(At the end of the investigation, have students either discuss or dictate a response to the summary questions above.)

