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A Sample of Beans: Impossible, Unlikely, Likely, and Certain
Some things are certain. You know they will definitely happen. Other things are likely. They will probably happen, but they might not.

Still other things are unlikely. They can happen, but they will not happen very often. Finally, some things are impossible. They can never happen.


After you have completed the Kind of Bean Lab, discuss the questions below.
9. Imagine you pull out one bean from the bean population container. What type of bean are you most likely to pull out? Use your data to predict. Be ready to explain your thinking.
10. Now test your prediction by pulling out one bean and returning it A. Was it the type you predicted?
B. Discuss with your class what happened when other groups pulled one bean. Did every group pull the bean that was most likely?
C. If an event is likely, will it happen every time? Most of the time?

| Kind of Bean | SG $\cdot$ Grade 3. Unit 1-Lesson 3 |
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Kind of Bean (SG pp. 10-11)
Questions 1-10
I. Type of Animal $(T)$ and Number of Animals ( $N$ )
2. Type of Animal
3. Number of Animals
4. * squirrels, river otters, armadillos
5. * 230 spider monkeys

175 squirrels
75 river otters
200 armadillos
50 jaguars
6. The Robinsons scaled their graph by 25 . They chose this so they could show all the data, since the smallest value was 50 for jaguars and the largest value was 230 for spider monkeys.
7. spider monkeys are most common, jaguars are least common
8. spider monkeys and armadillos are most common
9.*See lesson.

IO.*See lesson.

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* Answers and/or discussion are included in the lesson.
| TG•Grade 3•Unit 1•Lesson 3•Answer Key

