

A Second Sample

Check-In: Questions 7–11

7. You are going to collect a second sample with the same size scoop.

A. Predict which kind of bean will be the most common.

B. Predict which kind of bean will be the least common.

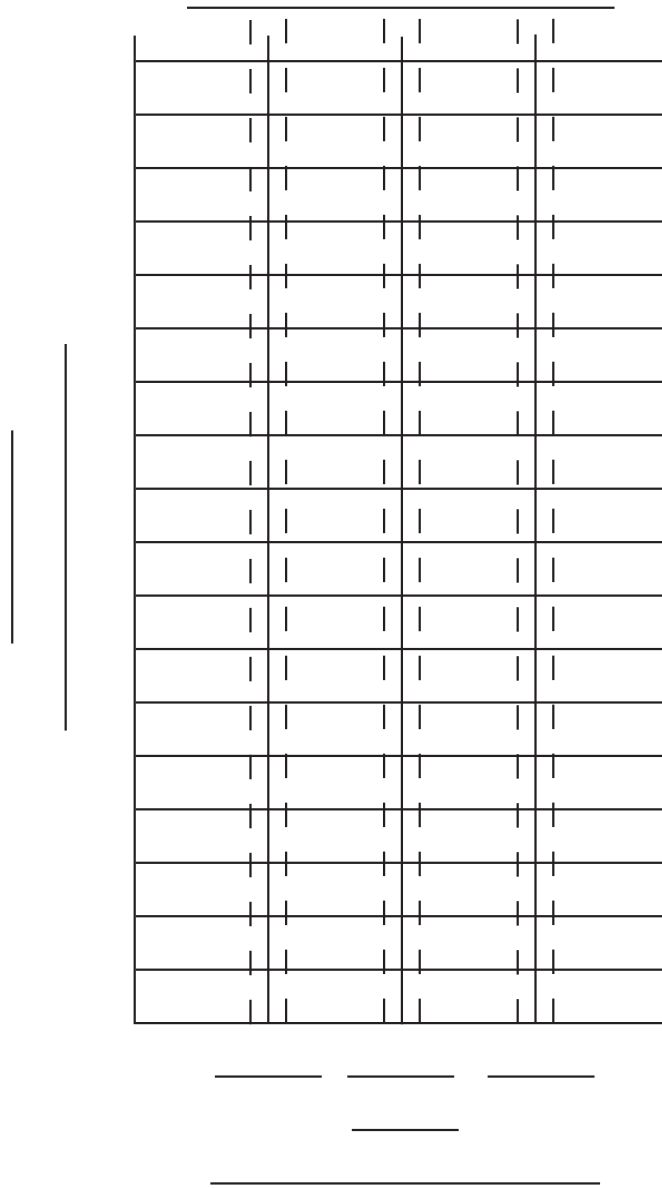
C. Show or tell how you decided.

8. Collect a second sample with the same size scoop. Count the beans and record your data in the table.

Second Sample

<i>K</i> Kind of Bean	<i>N</i> Number of Beans Pulled

9. Graph your data.



10. A. What kind of bean is most common in this sample?

B. What kind of bean is least common in this sample?

- 11.** Were your predictions in Question 7 correct? Why or why not?

Population Predictions

- 12.** Use your data to make predictions about the bean population (all of the beans in the class container). Predict which bean is the most common and which bean is the least common. Tell why you think so.

- 13.** Suppose you use a much larger scoop to take a sample.

A. How will the data in your data table change?

B. How will your graph change?

Name _____ Date _____

**Kind of Bean Lab
Check-In: Questions 7–11
Feedback Box**

	Expectation	Check In	Comments
Draw a scaled bar graph from a table. [Questions 8–9]	E2		
Read a table or scaled graph to find information about a data set. [Questions 10 A–B]	E3		
Make predictions and generalizations about a population from a sample using data tables and graphs. [Questions 7A–B and 11]	E4		

Yes . . .

Yes, but . . .

No, but . . .

No . . .

<p>MPE5. Show my work. I show or tell how I arrived at my answer so someone else can understand my thinking. [Question 7C]</p>				
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