

Student Guide

Who Is Right? (SG p. 12)

Questions 1–2

- * Students should recognize that Pinto beans are the largest number of beans in both data tables and Navy beans are the smallest number in both tables. Students should also see that the numbers for all three types of beans are close in both tables.
- * Both pairs of students are correct. Each pair took their own sample. Since they took their samples from the same bin and used the same size scoop you can expect their data to be similar.

Who Is Right?

Discuss

A third-grade class did the experiment *Kind of Bean*. Tara and Kim were partners, and Mark and Jason were partners. They used the same container of beans and the same scoop. Each pair took their own sample. Their data tables are below.

The girls and boys compared their data. The girls said, "Oh, no! One of us must have done it wrong. Our answers do not match!"

K Kind of Bean	N Number of Beans Pulled
Pinto	112
Black	73
Navy	26

K Kind of Bean	N Number of Beans Pulled
Pinto	114
Black	75
Navy	28

1. Look at both data tables. What patterns do you notice?
2. Did one of the pairs make a mistake? Or could they both have correct data? Show or tell your thinking.

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Teacher Guide

Which Tub? (TG p. 1)

Questions 1–2

- Second tub. Student answers may vary.
- * Explanations will vary. The tallest bar on the graph was the Pinto bean and it was 110. The data table for the second tub also had Pinto beans as the most and it was 115. That is close to 110.

Name _____ Date _____

Which Tub?

Tara and Kim's teacher placed another tub of beans on their desks. Both tubs looked alike. They could not tell which tub was theirs. They decided to take a sample from each of the tubs. Their data is shown below.

K Kind of Bean	N Number of Beans Pulled
Pinto	62
Black	112
Navy	22

K Kind of Bean	N Number of Beans Pulled
Pinto	115
Black	70
Navy	24

Tara and Kim were still not sure which tub was theirs. They decided to see if their graph from their first sample would help them decide.

- Which tub do you think is the one Tara and Kim used for their first samples?

- Show or tell how you can use the graph to decide which tub of beans Tara and Kim used for their first sample.

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*Answers and/or discussion are included in the lesson.