Make Inferences About Samples

● Check Understanding

Yes; Possible explanation: Michelle used the median of the sample data, 1, instead of the mean, 2. Because the data are not very symmetrical, the median is a better measure of center and provides a better basis for an inference.

RECORDING SHEETS

Students' choice of mean or median and their inferences depend on their sample results. Check that students' dot plots accurately display their sample data, their choices are reasonable for the symmetry of their dot plots and their inferences accurately reflect the mean or median of their sample data.

●● Check Understanding

Darrell's inference is more reasonable. Possible explanation: Darrell used the median of the sample data, 1, and Maya used the mean, 2. Because the data are not very symmetrical, the median is a better measure of center and provides a better basis for an inference.

RECORDING SHEETS

Students' choice of mean or median and their inferences depend on their sample results. Check that students' dot plots accurately display their sample data, their choices are reasonable for the symmetry of their dot plots, and their inferences accurately reflect the mean or median of their sample data.

●●● Check Understanding

Nick's inference is more reasonable. Possible explanation: Nick used the median of the sample data, 1, and Jada used the mean, 1.75. If you plot the data on a dot plot, you can see that the data are not very symmetrical, so the median is a better measure of center and provides a better basis for an inference.

RECORDING SHEETS

Students' choice of mean or median, their explanation why, and their inferences depend on their sample results. Check that students' dot plots accurately display their sample data, their choices and explanations are reasonable for the symmetry of their dot plots, and their inferences accurately reflect the mean or median of their sample data.

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