GRADE 6 MATH · CLASSWORK · SPECIAL ED

Summarize a Distribution That Is Not Symmetric

SCORE / 25

01 Part A · Practice

When data are not symmetric, the median and the IQR describe the center and the spread better than the mean and the MAD.

EXAMPLE

A dot plot shows 2, 2, 3, 3, 3, 4, 5, 8, 10**. Summarize it.**

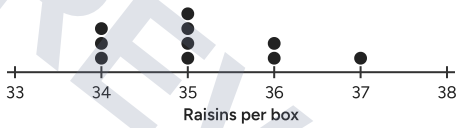
1. Most values are at 2–4, with a tail to the right.
2. Median = 3; Q1 = 2.5, Q3 = 6.5, IQR = 4.
3. Use the median 3 and the IQR 4.

WORDS TO KNOW

not symmetric	one side of the plot stretches out more
tail	a few values spread out on one side
cluster	a group of values close together

1 ●○○ Find the mean and the median of the data in the dot plot. Which is greater?

HINT Find both measures.



2 ●○○ The dot plot is not symmetric. Find the median and the IQR.

HINT Count the dots. Find the middle, then the middle of each half.



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Preview - the full worksheet and its answer key are at primeworksheet.com