



Displaying data in dot plots

GRADE 6 MATH

Name _____

Date _____

Work in order using the pet data from the lesson: 0, 0, 1, 1, 1, 1, 2, 2, 3, 5. Draw the dot plot once at the top and use it throughout. One skill: **dot plots**.

WORKED EXAMPLE

One dot per observation. The position says WHAT the value is; the height says HOW MANY. Put every whole number from the lowest to the highest on the axis, evenly spaced, including the ones with no dots.

1. How many dots sit above 0?

FLUENCY

Show your thinking

Answer

2. How many dots sit above 2?

FLUENCY

Show your thinking

Answer

3. How many dots sit above 5?

FLUENCY

Show your thinking

Answer

4. What is the range of the data?

APPLICATION

Show your thinking

Answer

5. How many students own at least one pet?

APPLICATION

Show your thinking

Answer

6. How many students own two or more pets?

APPLICATION

Show your thinking

Answer

7. Write out the original list of ten values just by reading your dot plot. Explain how the plot let you recover every value.

REASONING

Show your thinking

Answer

8. There are no dots above 4, but there is a dot above 5. What does that empty space tell you about the data?

REASONING

Show your thinking

Answer

9. A student says “the tallest stack shows the largest value in the data.” Use this plot to show they are wrong, and say what the tallest stack really shows.

REASONING

Show your thinking

Answer