



Displaying data in dot plots

GRADE 6 MATH

Name _____

Date _____

Answer every item. Draw your number line with a ruler and label every value; final answers in the boxes.
One skill: **dot plots**.

WORKED EXAMPLE

A dot plot puts **one dot per observation** above its value on a number line. Ten students give ten dots — always. The **height** of a stack is how MANY students, not what they answered: four dots above the 1 means four students own one pet, not four pets. Every value in the range gets a place on the axis, even values where nobody landed.

1. Ten students report how many pets they own: 0, 0, 1, 1, 1, 1, 2, 2, 3, 5. Draw the dot plot. How many dots should it have?

FLUENCY

Show your thinking

Answer

2. On your plot, which value has the tallest stack, and how tall is it? What does that height mean?

APPLICATION

Show your thinking

Answer

3. How many dots sit above the value 4? Should 4 still appear on your number line? Explain.

APPLICATION

Show your thinking

Answer

4. Find the median and the mean of the pet data. Explain which one your dot plot makes easier to see.

REASONING

Show your thinking

Answer