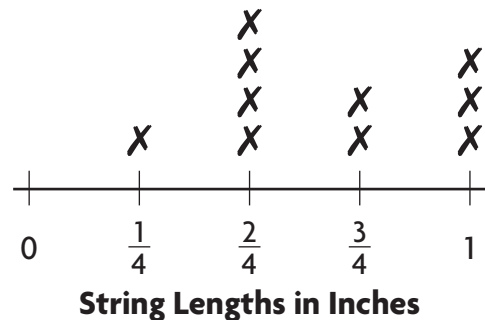# Line Plots

A **line plot** is a graph that shows data above a number line.

Xenia measures the length of some strings. She records the data in a line plot. How many strings have a length of $\frac{2}{4}$ inch?

- Locate $\frac{2}{4}$ on the number line.

- Count the number of ✗s above $\frac{2}{4}$.

<u>Four</u> strings have a length of $\frac{2}{4}$ inch.

String Lengths in Inches

Use the line plot above.

1 How many strings does Xenia measure?

<u>10 strings</u>

2 What is the length of the shortest string?

_____

3 How many more strings have a length of 1 inch than a length of $\frac{3}{4}$ inch?

_____

4 How many strings have a length of less than 1 inch?

_____

5 How many fewer strings have a length of $\frac{1}{4}$ inch than a length of $\frac{2}{4}$ inch?

_____

6 Which length of string appears most often?

_____

7 Explain why there are no ✗s above the 0 on the line plot.

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