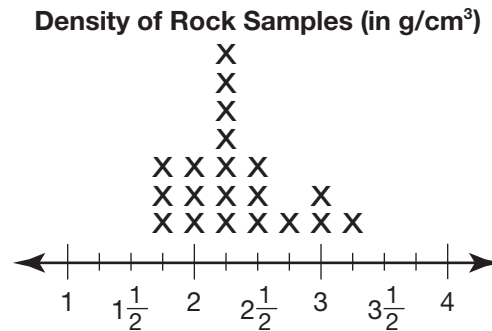


# Measurement Data

You have learned how to draw line plots. Now you can analyze the data in a line plot. Mrs. Calderwood separated the rock samples in her science classroom using their densities. She made a line plot of the data.



For questions **1–4**, use the line plot above.

- Find how many rocks were used in the line plot.

\_\_\_\_\_

- Which density occurs most often?

\_\_\_\_\_

- What is the difference between the greatest density and the least density?

\_\_\_\_\_

- Monique says that  $3\frac{1}{4}$  g/cm<sup>3</sup> is an outlier. Is she right or wrong? Explain.

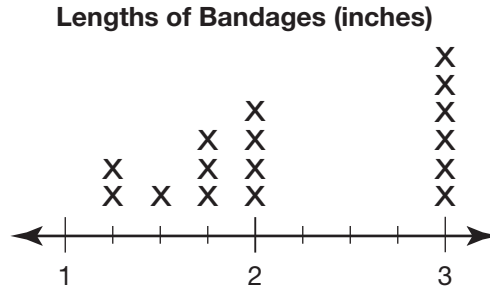
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# Measurement Data

Arianna counted the different sized bandages in her first aid kit. She made a line plot of the data. Use this line plot to answer the questions.



- How many bandages did Arianna count?
- What length bandage does Arianna have the most of?

\_\_\_\_\_

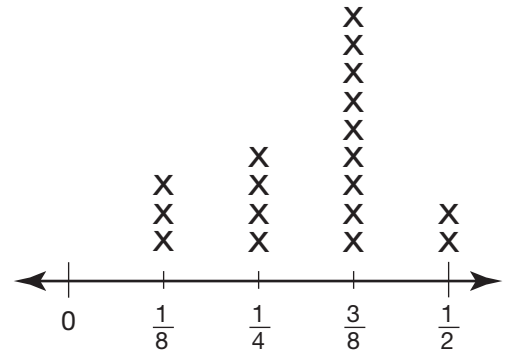
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- Write an equation to show the total length of the bandages if they are placed end-to-end.

\_\_\_\_\_  
\_\_\_\_\_

Madison sorted the earrings in her jewelry box. The line plot shows the lengths of each post.

**Lengths of Earring Posts (inches)**



- Write a statement to describe Madison's jewelry.

\_\_\_\_\_  
\_\_\_\_\_

- Why do you think that there are an even number of earring posts?

\_\_\_\_\_  
\_\_\_\_\_

- Make an educated guess as to why most of the posts are  $\frac{3}{8}$ -inch long.

\_\_\_\_\_  
\_\_\_\_\_