

School-Home Letter



Dear Family,

During the next few weeks, our math class will be learning how to collect, represent, and interpret data. We will also find the mode, median, and range of a data set.

You can expect to see homework that provides practice creating and interpreting frequency tables, line plots, and stem-and-leaf plots. You can also expect to see homework that provides practice finding the mode, median, and range of a data set.

Here is a sample of how your child will be taught to make a line plot.

Vocabulary

frequency table A table that uses numbers to record data about how often something happens

line plot A graph that records each piece of data on a number line

median The middle value when a data set is written in order from least to greatest, or the mean of the two middle values when there is an even number of items

mode The value(s) in a data set that occurs the most often

range The difference between the greatest and least numbers in a data set

stem-and-leaf plot A graph that shows groups of data arranged by place value

The Multilingual Glossary is available online.

Model Making Line Plots

This is one example of how we will be creating line plots.

Scott is training to run a half-marathon. He recorded the distances he ran in a table. Use the data in the table to make a line plot.

Distance Scott Ran (miles)				
4	8	8	7	5
9	9	9	7	9
9	5	7	8	4

Step 1

Order the data from the least to the greatest distance.

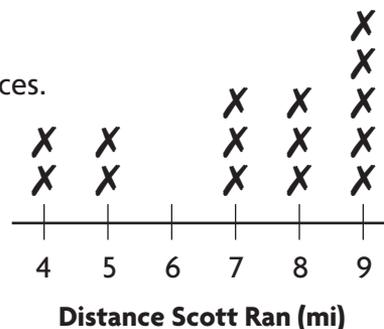
4, 4, 5, 5, 7, 7, 7, 8, 8, 8, 9, 9, 9, 9, 9

Draw a number line. Label it with the distances.

Write a title below.

Step 2

Complete the line plot by placing the correct number of Xs above the distances on the number line.



TIPS

Find Mode in a Line Plot

The mode is the most frequent value or values in a data set. A line plot makes it easy to see the mode of the data set. The value with the most Xs above it is the value that occurs the most often, so it will be the mode. When two or more values have the most number of Xs, then all of these values are the mode.