

## KEY CONCEPT OVERVIEW

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In Lessons 5 through 9, students construct and analyze **measurement data**.

You can expect to see homework that asks your child to do the following:

- Use knowledge of fractions to construct **line plots**.
- Analyze measurement data in tables and line plots.
- Estimate measurements to the nearest  $\frac{1}{2}$  and  $\frac{1}{4}$  units.
- Create a line plot for a given data set and use it to draw conclusions and solve problems.
- Solve problems with data displayed in picture graphs and line plots.

## SAMPLE PROBLEM (From Lesson 8)

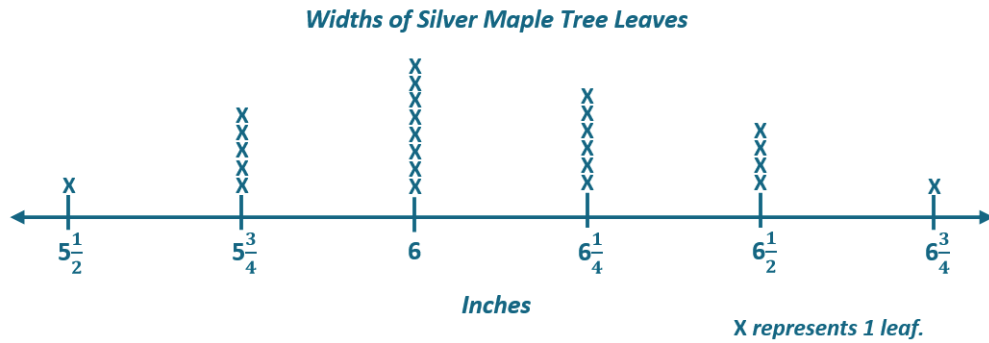
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Delilah stops under a silver maple tree and collects leaves. At home, she measures the widths of the leaves to the nearest  $\frac{1}{4}$  inch and records the measurements as shown below.

Widths of Silver Maple Tree Leaves (in Inches)				
$5\frac{3}{4}$ ✓	6 ✓	$6\frac{1}{4}$ ✓	6 ✓	$5\frac{3}{4}$ ✓
$6\frac{1}{2}$ ✓	$6\frac{1}{4}$ ✓	$5\frac{1}{2}$ ✓	$5\frac{3}{4}$ ✓	6 ✓
$6\frac{1}{4}$ ✓	6 ✓	6 ✓	$6\frac{1}{2}$ ✓	$6\frac{1}{4}$ ✓
$6\frac{1}{2}$ ✓	$5\frac{3}{4}$ ✓	$6\frac{1}{4}$ ✓	6 ✓	$6\frac{3}{4}$ ✓
6 ✓	$6\frac{1}{4}$ ✓	6 ✓	$5\frac{3}{4}$ ✓	$6\frac{1}{2}$ ✓

**SAMPLE PROBLEM** (continued)

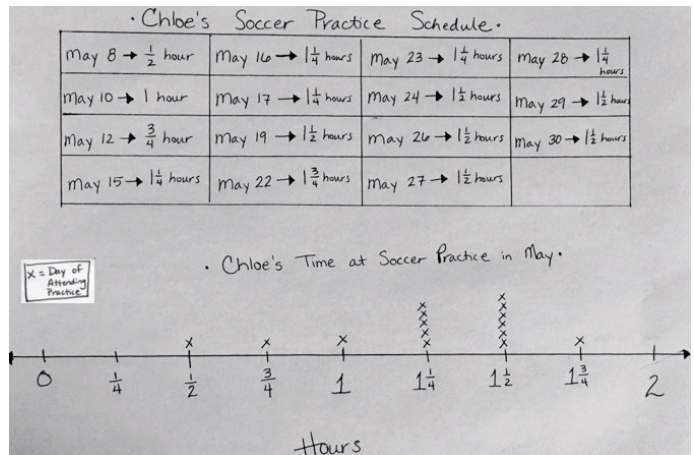
Use the data to create a line plot.



Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at [GreatMinds.org](http://GreatMinds.org).

**HOW YOU CAN HELP AT HOME**

With your child, create a line plot to record the amount of time your child spends on an activity (e.g., doing chores, reading a book, practicing sports or an instrument) each day for one month. Start by making a table or list of the number of hours (rounded to the nearest quarter hour) that your child spends on that activity. Then, draw a number line (such as that shown in the image to the right) and place an X above the amount of time spent on the activity each day. For example, if your child spent 1 hour on the activity, place an X above the 1 on the number line. Be sure to title the line plot, and include a label and a key.



**TERMS**

**Line plot:** A display of data on a horizontal number line. (See Sample Problem.)

**Measurement data:** Data that are collected as a result of measuring an object or action a certain number of times (e.g., the number of minutes of daily piano practice for one month or the height, in inches, for 20 different sunflowers).