2-5 Study Guide and Intervention

Line Plots

A **line plot** is a diagram that shows the frequency of data on a number line. A line plot is created by drawing a number line and then placing an ✕ above a data value each time that data occurs.
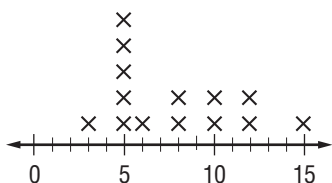
Example 1 Make a line plot of the data in the table at the right.

Time Spent Traveling to School (minutes)						
5	6	3	10	12	15	5
10	5	8	12	5	5	8

Draw a number line. The smallest value is 3 minutes and the largest value is 15 minutes. So, you can use a scale of 0 to 15.

Put an ✕ above the number that represents the travel time of each student in the table. Be sure to include a title.

Example 2 How many students spend 5 minutes traveling to school each day?

Locate 5 on the number line and count the number of ✕'s above it. There are 5 students that travel 5 minutes to school each day.

Exercises

AGES For Exercises 1–3, use the data below.

Ages of Lifeguards at Brookville Swim Club					
16	18	16	20	22	18
18	17	18	25	17	19

1. Make a line plot of the data.

2. How many of the lifeguards are 18 years old?

3. What is the age difference between the oldest and youngest lifeguard at Brookville Swim Club?

Lesson 2–5