Measuring the Length of Books

1. Measure the length of 5 books in your classroom to the nearest quarter inch. (Use books of varying size.)
2. Record the lengths on the first chart below.
3. Use the second chart to fill in the data from your partner's chart.
4. Circle the length on either chart that is the shortest and longest, so that you know which number to begin and end with on your number line for your line plot.

Example answers for data and line plot.

My Books	
Book 1	$8\frac{1}{4}$ in.
Book 2	$9\frac{3}{4}$ in.
Book 3	7 in.
Book 4	$8\frac{1}{4}$ in.
Book 5	$10\frac{1}{2}$ in. *(longest)*

_____'s Books	
Book 1	$6\frac{3}{4}$ in. *(shortest)*
Book 2	8 in.
Book 3	$8\frac{1}{4}$ in.
Book 4	$9\frac{3}{4}$ in.
Book 5	7 in.

5. Create one line plot for the data on both charts.
6. Compare your line plot to your partners. If they don't match, work together to figure out the mistake.

Length of Books
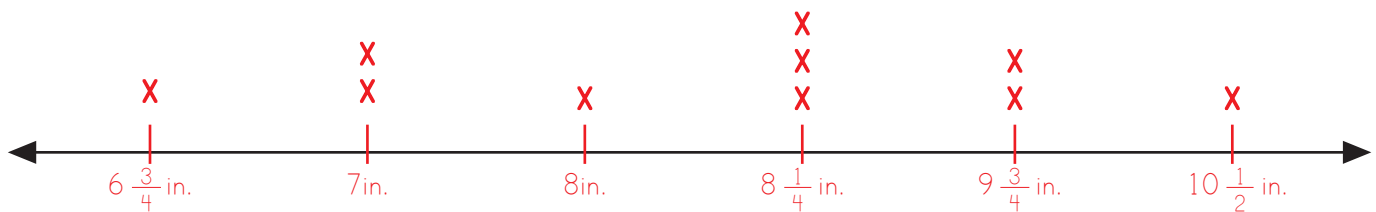
Write two observations about the line plot.

1. The books in our classroom library vary greatly by length.

2. $8\frac{1}{4}$ in. was the most frequent length for the books we measured.