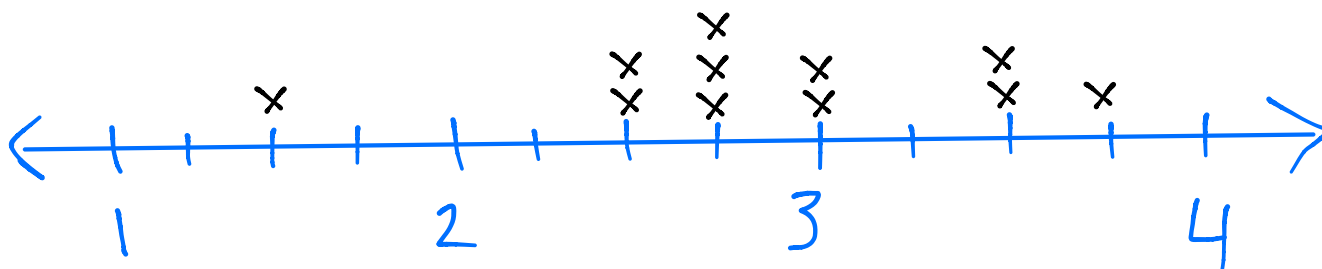Name _____   Date _____

1. Draw a line plot for the following data measured in inches:

$1\frac{1}{2}, 2\frac{3}{4}, 3, 2\frac{3}{4}, 2\frac{1}{2}, 2\frac{3}{4}, 3\frac{3}{4}, 3, 3\frac{1}{2}, 2\frac{1}{2}, 3\frac{1}{2}$

2. Explain how you decided to divide your wholes into fractional parts and how you decided where your number scale should begin and end.

Answers will vary.

I cut each whole into fourths because the fractions with the largest denominators were fourths.

I started at 1 and ended at 4 because that would create an interval that would include all the measurements.

Lesson 1:   Measure and compare pencil lengths to the nearest $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$ of an inch, and analyze the data through line plots.