Name _____   Date _____

1. A group of children measured the lengths of their shoes. The measurements are shown in the table. Make a line plot to display the data.

Students	Length of Shoe (in inches)
Collin	$8\frac{1}{2}$
Dickon	$7\frac{3}{4}$
Ben	$7\frac{1}{2}$
Martha	$7\frac{3}{4}$
Lilias	8
Susan	$8\frac{1}{2}$
Frances	$7\frac{3}{4}$
Mary	$8\frac{3}{4}$

2. Solve each problem. Write an equation and a statement for each. Draw models as needed.
   a. Who has a shoe length 1 inch longer than Dickon?

   b. Who has a shoe length 1 inch shorter than Susan?

c. How many quarter inches long is Martha's shoe length?

d. What is the difference, in inches, between Lilias's and Martha's shoe lengths?

e. Compare the shoe length of Ben and Frances using >, <, or =.

f. How many students had shoes that measured less than 8 inches?

g. How many children measured the length of their shoes?

h. Mr. Jones's shoe length was $\frac{25}{2}$ inches. Use >, <, or = to compare the length of Mr. Jones's shoe to the length of the longest student shoe length. Who had the longer shoe?

3. Using the information in the table and on the line plot, write a question you could solve by using the line plot. Solve.

COMMON CORE

Lesson 28: Solve word problems with line plots.
Date: 3/7/14

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