

Name _____

Date _____

Mrs. Felter’s students build a model of their school’s neighborhood out of blocks. The students measure the heights of the buildings to the nearest $\frac{1}{4}$ inch and record the measurements as shown below.

Heights of Buildings (in Inches)				
$3\frac{1}{4}$	$3\frac{3}{4}$	$4\frac{1}{4}$	$4\frac{1}{2}$	$3\frac{1}{2}$
4	3	$3\frac{3}{4}$	3	$4\frac{1}{2}$
3	$3\frac{1}{2}$	$3\frac{3}{4}$	$3\frac{1}{2}$	4
$3\frac{1}{2}$	$3\frac{1}{4}$	$3\frac{1}{2}$	4	$3\frac{3}{4}$
3	$4\frac{1}{4}$	4	$3\frac{1}{4}$	4

a. Use the data to complete the line plot below.

Title: _____



Label: _____ X =

- b. How many buildings are $4\frac{1}{4}$ inches tall?
- c. How many buildings are less than $3\frac{1}{2}$ inches?
- d. How many buildings are in the class model? How do you know?
- e. Brook says most buildings in the model are at least 4 inches tall. Is she correct? Explain your thinking.

Answer Key

- a. Line plot completed; Heights of Buildings; inches; 1 building
- b. 2
- c. 7
- d. 25
- e. No; explanations will vary.