The chart shows the lengths of straws measured in Mr. Han's class.

Straw Lengths (in Inches)						
✓ 3	✓ 4	$\sqrt{4\frac{1}{2}}$	$\sqrt{2\frac{3}{4}}$	$\sqrt{3\frac{3}{4}}$		
$\sqrt{3\frac{3}{4}}$	$\sqrt{4\frac{1}{2}}$	$\sqrt{3\frac{1}{4}}$	✓ 4	$\sqrt{4\frac{3}{4}}$		
$\sqrt{4\frac{1}{4}}$	√ 5	√ 3	$\sqrt{3\frac{1}{2}}$	$\sqrt{4\frac{1}{2}}$		
$\sqrt{4\frac{1}{2}}$	√ 4	$\sqrt{3\frac{1}{4}}$	√ 5	$\sqrt{4\frac{1}{4}}$		

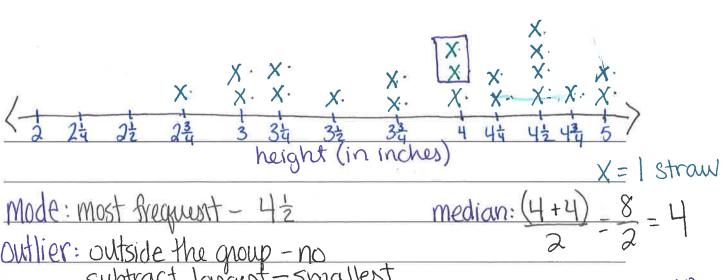
a. How many straws were measured? Explain how you know.

x is equal to 1 straw and there are 20 xs

b. What is the smallest measurement on the chart? The greatest?

The Smallest measurent is 23 inches. The greatest measurement is

c. Were the straws measured to the nearest inch? How do you know? No-because inches. there are fractions Straw Lengths



outlier: outside the group - no range: Subtract largust - smallest Draw X

Write 
$$20 \div 2 = 10$$
  
 $5 - 2\frac{3}{4}$   
 $3 - \frac{3}{4}$   
 $2 + \frac{4}{4} - \frac{3}{4} = 2\frac{1}{4}$ 

## Lesson 2 Problem Set

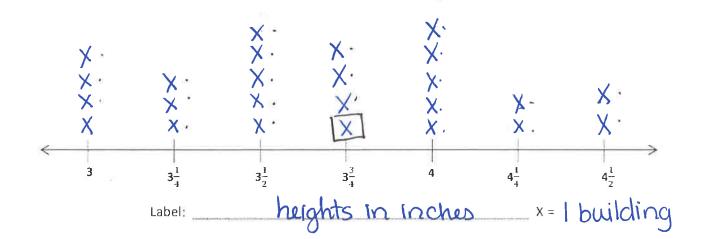
Name	Date

Mrs. Felter's students build a model of their school's neighborhood out of blocks. The students measure the heights of the building to the nearest ¼ inch and record the measurement as shown below.

Heights of Buildings (in Inches)						
$3\frac{1}{4}$	$3\frac{3}{4}$	4 <del>1</del> ✓	$4\frac{1}{2}$	$3\frac{1}{2}$		
4 /	3 ✓	$3\frac{3}{4}$	3 /	$4\frac{1}{2}$		
3 🗸	3 ½ √	$3\frac{3}{4}$	$3\frac{1}{2}$	4 /		
3 1/2	$3\frac{1}{4}$ $\checkmark$	$3\frac{1}{2}$	4 🗸	$3\frac{3}{4}$ $\checkmark$		
3 /	$4\frac{1}{4}$	4 /	$3\frac{1}{4}$	4 🗸		

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

## TITLE: Heights of Buildings



b. How many buildings are  $4\frac{1}{4}$  inches tall?

2 buildings are 44 in tall.

c. How many buildings are less than  $3\frac{1}{2}$  inches?

7 buildings are less than 3½ in.

d. How many buildings are in the class model? How do you know?

25 because every X is I building and there are 25 xs

e. Is there an outlier? \_\_\_\_\_ If so, what is the outlier? \_\_\_\_\_X\_\_\_\_\_

f. What's the median length of hands of third grade students?

334

g. What's the range of the data set?

42-3=12

h. Brook says most buildings in the model are at least 4 inches tall. Is she correct? Explain your thinking.

No, because there are more buildings less than 4 in, than at least 4 inches.