Unit 4 Module 4 Session 3

Problems & Investigations-Beanstalk Leaf Line Plots

Getting Ready-

- SB 140 Another Beanstalk Plot

- Your beanstalk (from Session 2; see Preparation)

- Students' beanstalks (from Session 2)

Vocabulary

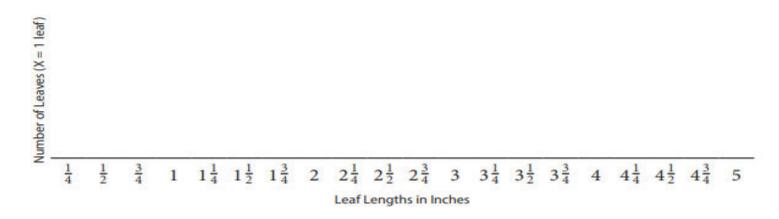Data

Line plot

Nearest quarter-inch

table

- Make a line plot to show measurement data, with a horizontal scale marked in quarter inches

Another Beanstalk Line Plot

1 Record all the leaf measurements from your beanstalk in the table below. Then complete the line plot using an X for each leaf.

My Leaf Measurement Data in Inches (including fractions of an inch)									

Beanstalk Leaf Measurements to the Nearest Quarter-Inch

Number of Leaves (X = 1 leaf)

$\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1 $1\frac{1}{4}$ $1\frac{1}{2}$ $1\frac{3}{4}$ 2 $2\frac{1}{4}$ $2\frac{1}{2}$ $2\frac{3}{4}$ 3 $3\frac{1}{4}$ $3\frac{1}{2}$ $3\frac{3}{4}$ 4 $4\frac{1}{4}$ $4\frac{1}{2}$ $4\frac{3}{4}$ 5

Leaf Lengths in Inches

2 Use the data on your line plot to help answer the questions below.

a How long was the longest leaf on your beanstalk? _____

b How long was the shortest left on your beanstalk? _____

c What was the most common measurement for your leaves? _____

d How many leaves did you have of that length? _____

e Did you have more leaves that were longer than $2\frac{1}{4}$ inches or shorter than $2\frac{1}{4}$ inches?

f How many of your leaves were longer than 3 inches? _____

g What does each x on your line plot stand for? _____

Work Places

3C Round Ball Hundreds

3D Round & Add Hundreds

4A Tic-Tac-Tock

4B Measurement Scavenger Hunt

4C Target One Thousand

4D Hexagon Spin & Fill

Daily Practice

SB 141 Beanstalk Measurements

Home Connection

HC 79-80 Time & Fraction Review