Name _____

Use Line Plots

A **line plot** shows the frequency of data along a number line. The table shows the heights of the plants in Taylor's garden.

Heights (in yards)
$\frac{3}{4}$, $1\frac{1}{8}$, $\frac{1}{2}$, $1\frac{1}{8}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{7}{8}$, $\frac{1}{4}$

Make a line plot to display the data.

A. Make a tally table. Order the different heights from least to greatest.

B. Make a tally mark for each plant of each height.

C. Draw a number line and label the fraction lengths. Write a title and label the units.

D. Plot an X above the number line for each data point. For example, one plant is $\frac{1}{4}$ yard tall. So, draw one X above $\frac{1}{4}$.

Plant Heights	
Heights (in yards)	**Tally**
$\frac{1}{4}$	|
$\frac{1}{2}$	|
$\frac{3}{4}$	|||
$\frac{7}{8}$	|
$1\frac{1}{8}$	||

Plant Heights

1 What is the most common height? _____

2 What is the height of the shortest plant? _____

3 What is the height of the tallest plant? _____

4 How much taller is the most common height plant than the shortest plant? Write an equation and solve.

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