



I CAN CREATE AND READ LINE PLOTS WITH UNLIKE DENOMINATORS WEEK 6, 4TH GRADE

directions: Use the data set below to make a line plot. Then, answer the questions about the line plot you created. When you're done, send a picture of your work to your teacher! :)

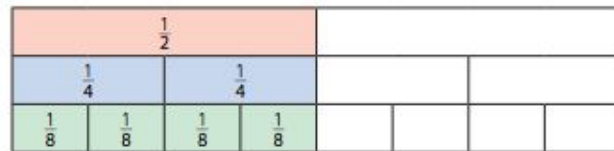
The students in Mrs. Holbrook's class are growing plants. One day they measured the heights of the plants in inches. The heights are shown below. Make a line plot to represent the data.

$2\frac{5}{8}$	$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{7}{8}$	2	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{7}{8}$	$2\frac{3}{4}$	$1\frac{3}{4}$
$1\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	$2\frac{1}{8}$	$2\frac{3}{8}$	$2\frac{3}{4}$	$1\frac{7}{8}$	$2\frac{1}{2}$	$1\frac{7}{8}$	$1\frac{5}{8}$

Because the smallest denominator is in eighths, you'll change all fractions to be in eighths first!

Your line plot's scale will be $\frac{1}{8}$

Picture It You can use fraction bars to find equivalent fractions.



The fraction bars show that the following fractions are equivalent:

$$\frac{1}{2} = \frac{2}{4} \text{ and } \frac{1}{2} = \frac{4}{8}$$

$$\frac{1}{4} = \frac{2}{8}$$

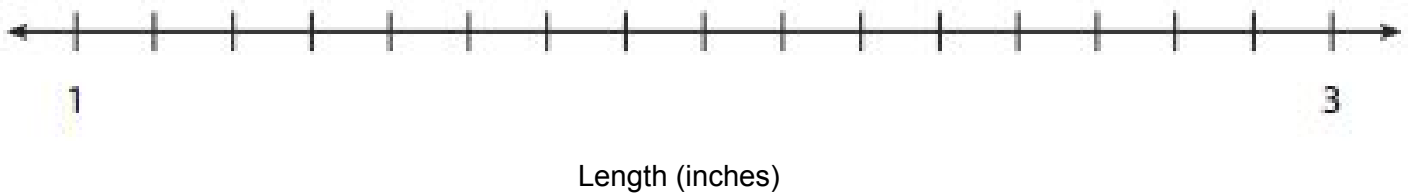
$$\frac{1}{2} = \frac{\square}{8}$$

$$\frac{1}{4} = \frac{\square}{8}$$

$$\frac{3}{4} = \frac{\square}{8}$$

Change the remaining mixed numbers to have 8 as their denominator here:

1. Label your number line in EIGHTHS
2. Plot the data set using X's
3. Answer the questions below



Explain how you can make a line plot with data that includes fractions

How can you change halves to eighths? _____

How can you change eighths to sixteenths? _____

Write your own problem to go with this line plot: _____
