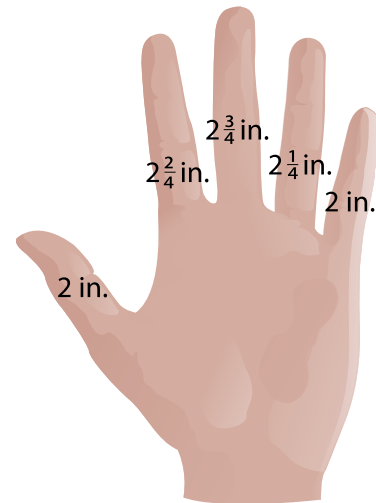
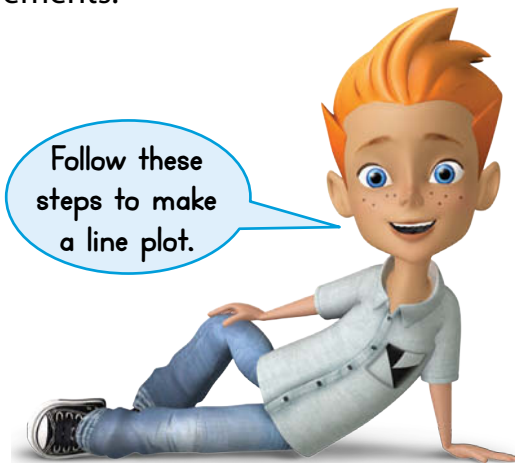


Homework & Practice 11-2

Make Line Plots

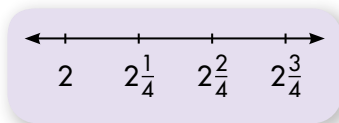
Another Look!

Dorothy measured the lengths of the fingers on her left hand. She also measured the length of her thumb. Dorothy wants to make a line plot to show the measurements.



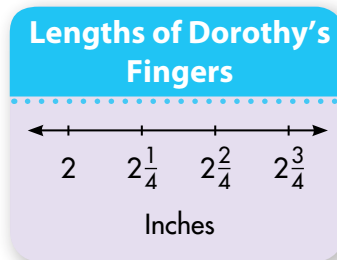
Step 1

Draw a number line and choose a scale based on the data collected. The scale should show data values from least to greatest.



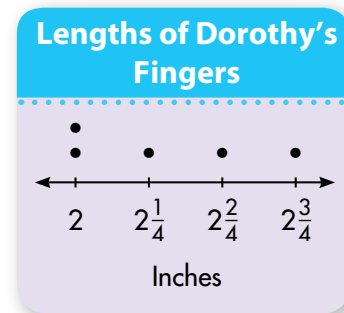
Step 2

Write a title for the line plot and a label for the numbers.



Step 3

Draw a dot for each length.



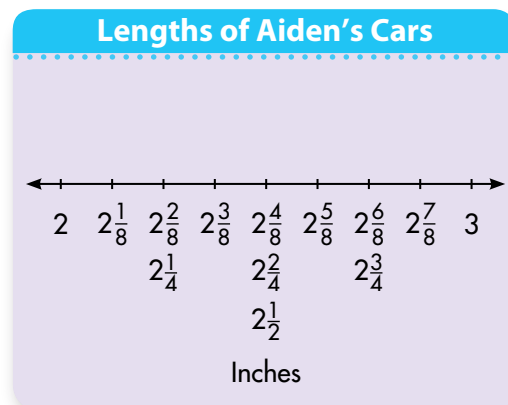
For 1–4, use the line plot at the right.

1. Aiden has two toy cars that measure $2\frac{1}{4}$ inches, three that measure $2\frac{3}{8}$ inches, one that measures $2\frac{7}{8}$ inches, one that measures $2\frac{1}{8}$ inches, and one that measures $2\frac{3}{4}$ inches. Use this data to complete the line plot at the right.

2. How long is Aiden's longest toy car?

3. Which length appears most often on the line plot?

4. Are more cars shorter or longer than $2\frac{1}{2}$ inches?



5. **A-Z Vocabulary** Use a vocabulary word to complete the sentence.

An _____ fraction names the same region, part of a set, or part of a segment.

6. **Math and Science** Floodwalls are used to prevent damage from floods. A town built a floodwall $4\frac{4}{8}$ feet tall. Another town built a floodwall $7\frac{1}{8}$ feet tall. What is the difference between the heights of the floodwalls?

7. **MP.2 Reasoning** Class members read the following number of pages over the weekend:

9, 11, 7, 10, 9, 8, 7, 13, 2, 12, 10, 9, 8, 10, 11, 12

Which number is an outlier? Explain your reasoning.

8. **Higher Order Thinking** Tony wants to make a line plot of the distances he rode his bike last week. He rode the following distances in miles:

$3, 4\frac{1}{2}, 6, 3, 5\frac{1}{2}, 3, 5\frac{1}{2}$

Make a line plot for the distances Tony rode.



You can draw a line plot to help you find outliers.

Common Core Assessment

9. Caden collects insects. The table below lists the lengths in inches of insects in Caden's collection.

Insect	Length (in.)
Ladybug	$\frac{2}{8}$
Cross Spider	$\frac{6}{8}$
Honey Bee	$\frac{2}{4}$
Field Cricket	$\frac{3}{4}$
Big Dipper Firefly	$\frac{4}{8}$
Stag Beetle	1

Use the data set to complete the line plot. Draw the dots and write the scale values. Remember to use equivalent fractions to help write the scale values.

