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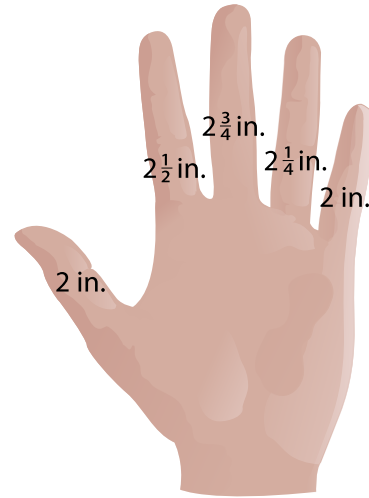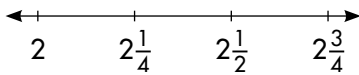
Dorothy measured the lengths of the fingers on her left hand. She also measured the length of her thumb. Dorothy wants to make a dot plot to show the measurements.

Follow these steps to create a dot plot.

$2\frac{3}{4}$ in.
$2\frac{1}{2}$ in. $2\frac{1}{4}$ in.
2 in.
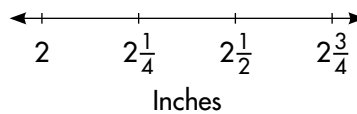2 in.

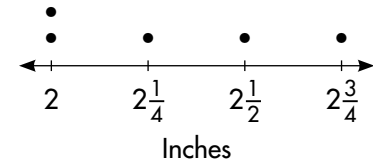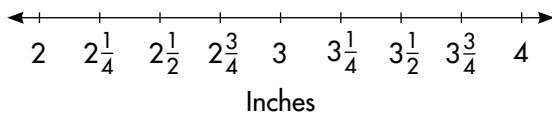| **Step 1**	**Step 2**	**Step 3**
Draw a number line and choose a scale based on the data collected. The scale should show data values from least to greatest.	Write a title for the dot plot and a label for the numbers.	Draw a dot for each length.

Step 1

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

Step 2

Lengths of Dorothy's Fingers

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

Inches

Step 3

Lengths of Dorothy's Fingers

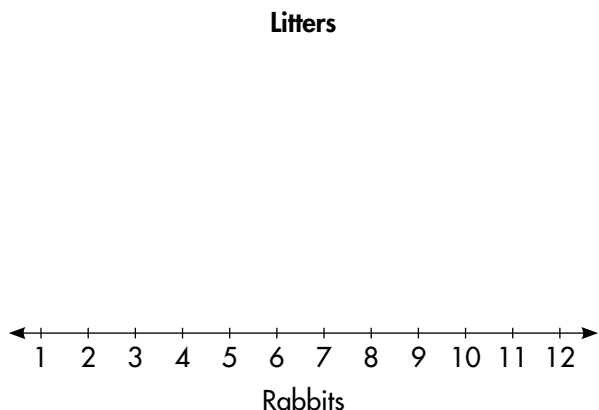$2 \quad 2\frac{1}{4} \quad 2\frac{1}{2} \quad 2\frac{3}{4}$

Inches

1. Aiden has two toy cars that measure $2\frac{1}{2}$ in., three that measure $2\frac{3}{4}$ in., one that measures $2\frac{1}{4}$ in., one that measures $3\frac{1}{2}$ in., and one that measures $3\frac{3}{4}$ in. Use this data to complete the dot plot below.

Lengths of Aiden's Cars

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

Inches

2. How long is the longest car?

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

4. **Explain** Are more cars shorter or longer than 3 inches? How do you know?

5. Represent Complete the dot plot of the number of rabbits in each litter.

Litters

1 2 3 4 5 6 7 8 9 10 11 12
Rabbits

Number of Rabbits in Each Litter	Litters
1	/
2	///
3	卌
4	卌 ////
5	卌 卌
6	卌 ///
7	////
8	////
9	///
10	卌
11	///
12	/

6. ⭐ Which is the number of rabbits most often in a litter?

A 3 rabbits
B 4 rabbits
C 5 rabbits
D 6 rabbits

7. Explain Is the 1-rabbit litter an outlier? Explain.

8. How many litters of rabbits are included in the data?

9. 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?

Making a dot plot can help you find outliers.

10. Extend Your Thinking Tony wants to make a dot plot of the distances he rode his bike last week. He rode the following distances in miles:

3, 4.7, 6, 3, 5.5, 3, 5.5

Draw a dot plot for Tony.