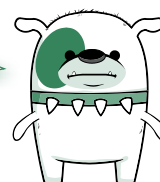


# Understand Reading and Making Line Plots

Name: \_\_\_\_\_

**Prerequisite: How can you make tally charts?**



**Study the example showing how to make a tally chart. Then solve Problems 1–4.**

## Example

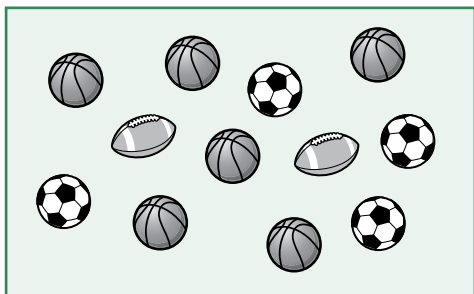
How many of each kind of sticker are there?  
Complete the tally chart.

- Draw one tally mark for each sticker.
- You can cross out each sticker after you count it to keep track.



Sticker	How Many
	<del>    </del>

- 1** How many of each kind of ball are there?  
Complete the tally chart.

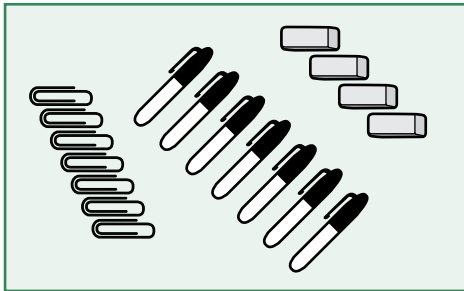





Ball	How Many



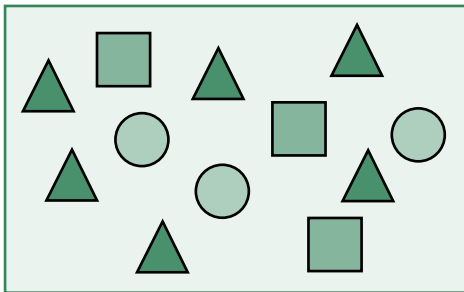
**Solve.**




- 2 How many are there of each kind of classroom tool? Complete the tally chart.



Classroom Tool	How Many
	
	
	

- 3 How many are there of each shape? Complete the tally chart.



Shape	How Many
	
	
	

- 4 Sam measured the lengths of 10 leaves. He wrote this list. Complete the tally chart to show the data.

Leaf Lengths
2 inches
6 inches
2 inches
5 inches
2 inches
4 inches
4 inches
3 inches

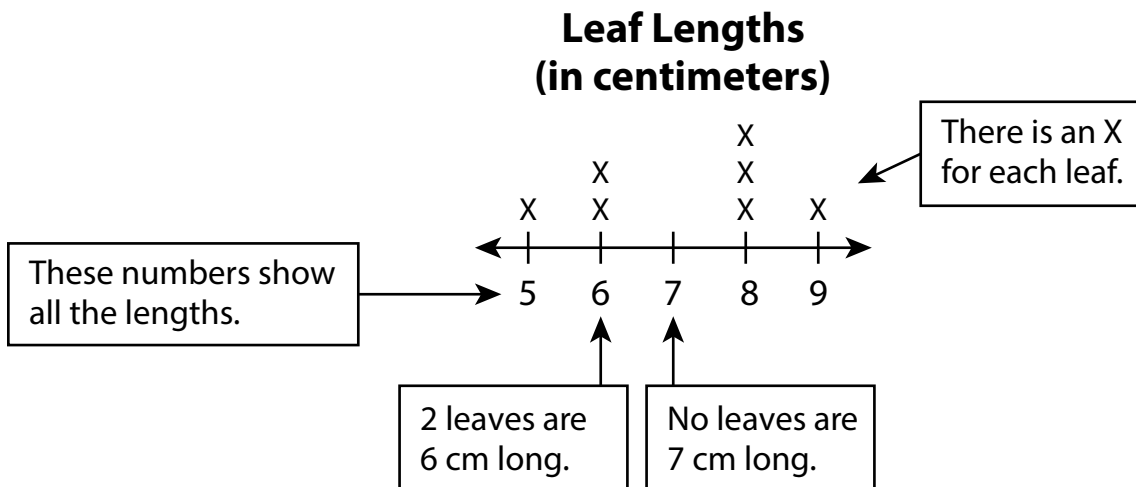
Length	How Many
1 inch	
2 inches	
3 inches	
4 inches	
5 inches	
6 inches	
7 inches	

## Read and Make Line Plots

**Study the example showing how to read a line plot. Then solve Problems 1–9.**

**Example**







Kyle measured each leaf in his collection using centimeters. He made this line plot.



- 1** What is the length of the shortest leaf?  
\_\_\_\_\_ centimeters
- 2** What is the length of the longest leaf?  
\_\_\_\_\_ centimeters
- 3** How many leaves are 8 centimeters long?  
\_\_\_\_\_
- 4** How many leaves are in Kyle's collection?  
\_\_\_\_\_

## Solve.

Rita measured the ribbons in her craft box. The ribbons and their lengths are shown below.

- A  8 centimeters
- B  6 centimeters
- C  10 centimeters
- D  8 centimeters
- E  10 centimeters
- F  9 centimeters

5 What is the length of ribbon A?  
\_\_\_\_\_ centimeters

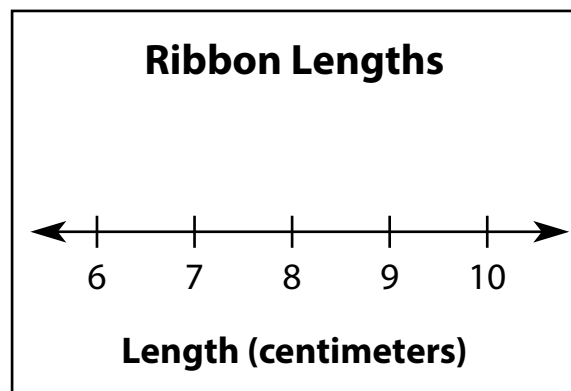
6 Draw an X above that number  
on the line plot.

7 For each of the other ribbons,  
draw an X on the line plot.

8 What is the length of the shortest ribbon?  
\_\_\_\_\_ centimeters

9 How many ribbons are longer than  
8 centimeters?

\_\_\_\_\_



## Understanding and Reading Line Plots

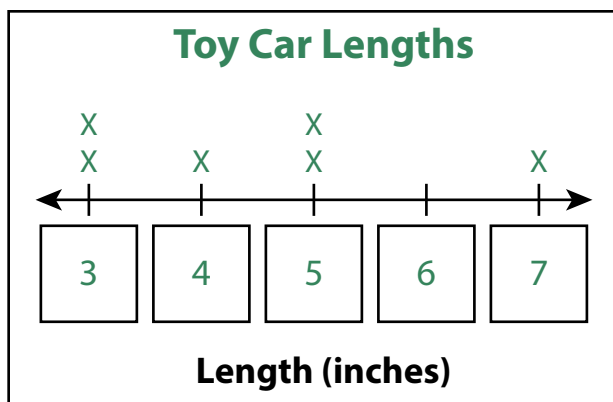
**Look at the example. Underline a part that you think makes it a good answer.**

**Example**

Lexi measures the lengths of her toy cars. The lengths are shown in the table. Use the lengths to make a line plot.

Toy Car	Length (inches)
A	4
B	3
C	7
D	5
E	3
F	5

1. Write a title for the line plot.
2. Fill in the numbers for length on the line plot.
3. Draw an X on the line plot for each toy car.
4. Answer the question below the line plot.

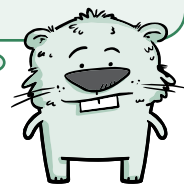


How did you decide which number should go in each box below the number line? Explain.

**I wrote the numbers from the chart in order, starting with the smallest number. I only wrote each number once. I included 6 even though no cars are 6 inches long. That is because you have to include all the numbers that are between the smallest and largest numbers.**

Where does the example ...

- write a title for the line plot?
- write numbers on the line plot?
- use Xs to show the car lengths?
- answer the question?

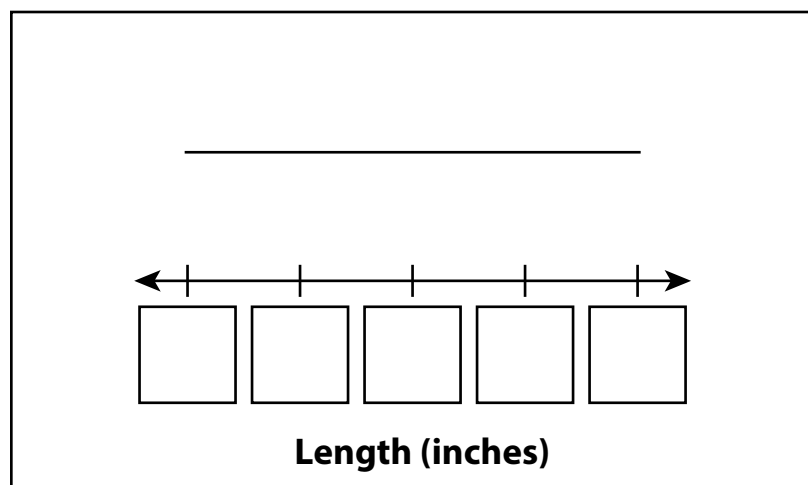


**Solve the problem. Use what you learned from the example.**

Paco measures the lengths of the bookmarks he has in his desk. The lengths are shown in the chart. Use the lengths to make a line plot.

Bookmark	Length (inches)
A	8
B	7
C	4
D	6
E	7
F	4

1. Write a title for the line plot.
2. Fill in the numbers for length on the line plot.
3. Draw an X on the line plot for each bookmark.
4. Answer the question below the line plot.



How did you decide where to draw the Xs on the number line? Explain.

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Did you ...

- write a title for the line plot?
- write numbers on the line plot?
- use Xs to show the bookmark lengths?
- answer the question?

