

Name \_\_\_\_\_

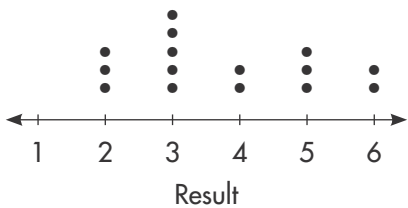
1. Which line plot shows the data?

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

- (A)
- (B)
- (C)
- (D)

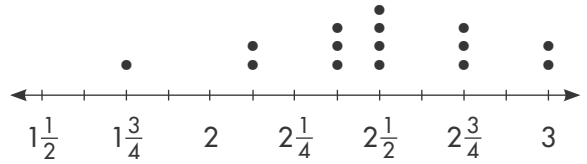
2. The line plot shows the results from an experiment in which a number cube was rolled fifteen times. How many times did the number cube land on 3?

Results of Rolling a Number Cube




3. Emilia made a line plot to record the data for a science experiment in which she measured the lengths of 15 earthworms.

Lengths of Earthworms (inches)

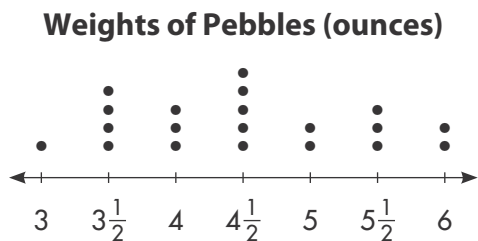


A. What is the difference in length between the longest and shortest earthworms?

B. What is the most common length for the earthworms measured in the experiment?

C. What is the total length of all the earthworms Emilia measured? Write and solve an equation to show your work.

Shiro and Tatiana weighed some pebbles in science class. They made a line plot to display their data. Use the line plot to answer 4–6.



4. Of the pebbles that were measured, which weight occurs the least?

- (A) 3 ounces
- (B) 4 ounces
- (C)  $4\frac{1}{2}$  ounces
- (D)  $5\frac{1}{2}$  ounces

5. What is the total weight of the pebbles represented by the data?

- (A)  $73\frac{1}{2}$  ounces
- (B) 84 ounces
- (C)  $85\frac{1}{2}$  ounces
- (D) 90 ounces

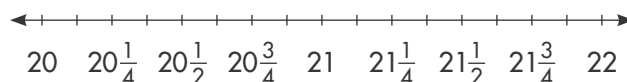
6. Suppose 2 more pebbles are weighed and each weighs  $3\frac{1}{2}$  ounces. Would the value that occurred most often change? Explain your reasoning.

7. Lewis recorded the number of minutes it took him to walk to school every day for two weeks.

$20\frac{3}{4}$	$21\frac{1}{4}$	22	$20\frac{1}{8}$	$20\frac{3}{4}$
21	$21\frac{1}{4}$	$20\frac{3}{4}$	21	$21\frac{1}{2}$

A. Make a line plot of the data set.

**Walking Times to School (minutes)**



B. Lewis said that the difference between his fastest time and his slowest time was 2 minutes. Do you agree with Lewis? Explain.

C. What was the total time that Lewis spent walking to school in the past two weeks? Show your work.