# Line Plots with Fractions

Name: _____ Date: _____ Grade: Grade 5

## Part A: Fill in the Blank

*Write the missing word or number on each line.*

**1.** A scientist measures lengths of 10 bugs in inches: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$. How many X marks are at $\frac{1}{4}$ on the line plot?

Answer: _____

**2.** Using the same bug data above, how many X marks are at $\frac{1}{2}$ on the line plot?

Answer: _____

**3.** Using the same bug data above, how many X marks are at $\frac{3}{4}$ on the line plot?

Answer: _____

**4.** Using the same bug data, the mode(s) of the data set is/are _____.

**5.** A line plot shows rainfall for 12 days: 0→2 Xs, $\frac{1}{8}$→3 Xs, $\frac{1}{4}$→4 Xs, $\frac{3}{8}$→2 Xs, $\frac{1}{2}$→1 X. The most common rainfall amount is _____ inch.

**6.** Using the rainfall data above, the number of days with more than $\frac{1}{8}$ inch of rain is _____.

**7.** Students long-jumped (meters): $\frac{3}{4}$, $\frac{1}{2}$, 1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, 1, $\frac{3}{4}$. The value with the most X marks is _____ meter.

**8.** Using the long-jump data, the number of students who jumped $\frac{1}{2}$ meter or less is _____.

**9.** Using the long-jump data, the difference between the count at $\frac{3}{4}$ meter and the count at $\frac{1}{4}$ meter is _____.

## Part B: Matching

*Match each item on the left to the correct answer on the right.*

**1.** Match each item to its correct answer.

| | | |
|---|---|---|
| Data: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$. How many X marks at $\frac{1}{4}$? | → _____ | $\frac{3}{8}$ |

**Answer Key · Line Plots with Fractions · Grade: Grade 5**

## Part A: Fill in the Blank

*Write the missing word or number on each line.*

1. A scientist measures lengths of 10 bugs in inches: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$. How many X marks are at $\frac{1}{4}$ on the line plot?

   Answer: 4

2. Using the same bug data above, how many X marks are at $\frac{1}{2}$ on the line plot?

   Answer: 4

3. Using the same bug data above, how many X marks are at $\frac{3}{4}$ on the line plot?

   Answer: 2

4. Using the same bug data, the mode(s) of the data set is/are $\frac{1}{4}$ and $\frac{1}{2}$.

5. A line plot shows rainfall for 12 days: 0→2 Xs, $\frac{1}{8}$→3 Xs, $\frac{1}{4}$→4 Xs, $\frac{3}{8}$→2 Xs, $\frac{1}{2}$→1 X. The most common rainfall amount is $\frac{1}{4}$ inch.

6. Using the rainfall data above, the number of days with more than $\frac{1}{8}$ inch of rain is 7.

7. Students long-jumped (meters): $\frac{3}{4}$, $\frac{1}{2}$, 1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, 1, $\frac{3}{4}$. The value with the most X marks is $\frac{3}{4}$ meter.

8. Using the long-jump data, the number of students who jumped $\frac{1}{2}$ meter or less is 4.

9. Using the long-jump data, the difference between the count at $\frac{3}{4}$ meter and the count at $\frac{1}{4}$ meter is 3.

## Part B: Matching

*Match each item on the left to the correct answer on the right.*

1. Match each item to its correct answer.

| | | |
|---|---|---|
| Data: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$. How many X marks at $\frac{1}{4}$? | → 3 | $\frac{3}{8}$ |
| Data: $\frac{1}{8}$, $\frac{3}{8}$, $\frac{3}{8}$, $\frac{5}{8}$, $\frac{3}{8}$, $\frac{3}{8}$, $\frac{1}{8}$, $\frac{5}{8}$. What is | → $\frac{3}{8}$ | 5 |