



Line Plots with Fractions

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

A line plot shows plant heights: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 2$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 1$ X. A student says more plants are $\frac{1}{2}$ foot or shorter than taller. Shorter: 5. Taller: 5.

Rewrite: _____

2. Fix the sentence:

A line plot shows snowfall in inches: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 3$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. A student says the total snowfall across all days is 10 inches.

Rewrite: _____

3. Fix the sentence:

A line plot shows trail lengths in miles: $\frac{1}{8} \rightarrow 2$ Xs, $\frac{3}{8} \rightarrow 4$ Xs, $\frac{5}{8} \rightarrow 3$ Xs, $\frac{7}{8} \rightarrow 1$ X. A student says 6 trails are longer than $\frac{2}{8}$ mile.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- A line plot shows hours spent reading: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 2$ Xs. The number of students who read $\frac{1}{2}$ hour or more is _____.
- A line plot shows hours spent reading: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 2$ Xs. The difference between the most common and least common X mark counts is _____.
- A line plot shows distances walked in miles: $\frac{1}{8} \rightarrow 1$ X, $\frac{2}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{4}{8} \rightarrow 2$ Xs. How many of the 11 walkers walked exactly $\frac{3}{8}$ mile? Answer: _____.
- A line plot shows distances walked in miles: $\frac{1}{8} \rightarrow 1$ X, $\frac{2}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{4}{8} \rightarrow 2$ Xs. The number of walkers who walked less than $\frac{3}{8}$ mile is _____.

Part C: Short Answer

Answer Key • Line Plots with Fractions • Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

A line plot shows plant heights: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 2$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 1$ X. A student says more plants are $\frac{1}{2}$ foot or shorter than taller. Shorter: 5. Taller: 5.

Rewrite: _____

2. Fix the sentence:

A line plot shows snowfall in inches: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 3$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. A student says the total snowfall across all days is 10 inches.

Rewrite: _____

3. Fix the sentence:

A line plot shows trail lengths in miles: $\frac{1}{8} \rightarrow 2$ Xs, $\frac{3}{8} \rightarrow 4$ Xs, $\frac{5}{8} \rightarrow 3$ Xs, $\frac{7}{8} \rightarrow 1$ X. A student says 6 trails are longer than $\frac{2}{8}$ mile.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A line plot shows hours spent reading: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 2$ Xs. The number of students who read $\frac{1}{2}$ hour or more is 12.

2. A line plot shows hours spent reading: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 2$ Xs. The difference between the most common and least common X mark counts is 5.

3. A line plot shows distances walked in miles: $\frac{1}{8} \rightarrow 1$ X, $\frac{2}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{4}{8} \rightarrow 2$ Xs. How many of the 11 walkers walked exactly $\frac{3}{8}$ mile? Answer: 5.

4. A line plot shows distances walked in miles: $\frac{1}{8} \rightarrow 1$ X, $\frac{2}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{4}{8} \rightarrow 2$ Xs. The number of walkers who walked less than $\frac{3}{8}$ mile is 4.

Part C: Short Answer

Answer each question in one or two complete sentences.