



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: $\frac{1}{8} \rightarrow 2$ Xs, $\frac{2}{8} \rightarrow 4$ Xs, $\frac{3}{8} \rightarrow 1$ X, $\frac{4}{8} \rightarrow 3$ Xs. A student says the mode is $\frac{4}{8}$ because it is the largest fraction.

Rewrite: _____

2. Fix the sentence:

A line plot shows: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. A student says there are 3 data points total.

Rewrite: _____

3. Fix the sentence:

A line plot shows: $\frac{1}{4} \rightarrow 1$ X, $\frac{1}{2} \rightarrow 3$ Xs, $\frac{3}{4} \rightarrow 2$ Xs, $1 \rightarrow 4$ Xs. A student says $\frac{1}{2}$ has the fewest X marks.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- A line plot shows ribbon lengths in yards: $\frac{1}{4} \rightarrow 2$ Xs, $\frac{1}{2} \rightarrow 6$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 1$ X. The most common ribbon length is _____.
- A line plot shows ribbon lengths in yards: $\frac{1}{4} \rightarrow 2$ Xs, $\frac{1}{2} \rightarrow 6$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 1$ X. The total number of ribbons measured is _____.
- A line plot shows amounts of water in cups: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 2$ Xs, $\frac{7}{8} \rightarrow 4$ Xs. The number of containers with $\frac{7}{8}$ cup is _____.
- A line plot shows amounts of water in cups: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 2$ Xs, $\frac{7}{8} \rightarrow 4$ Xs. The value with the fewest X marks is _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

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

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

1. Fix the sentence:

A line plot shows: $\frac{1}{8} \rightarrow 2$ Xs, $\frac{2}{8} \rightarrow 4$ Xs, $\frac{3}{8} \rightarrow 1$ X, $\frac{4}{8} \rightarrow 3$ Xs. A student says the mode is $\frac{4}{8}$ because it is the largest fraction.

Rewrite: _____

2. Fix the sentence:

A line plot shows: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. A student says there are 3 data points total.

Rewrite: _____

3. Fix the sentence:

A line plot shows: $\frac{1}{4} \rightarrow 1$ X, $\frac{1}{2} \rightarrow 3$ Xs, $\frac{3}{4} \rightarrow 2$ Xs, $1 \rightarrow 4$ Xs. A student says $\frac{1}{2}$ has the fewest X marks.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- A line plot shows ribbon lengths in yards: $\frac{1}{4} \rightarrow 2$ Xs, $\frac{1}{2} \rightarrow 6$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 1$ X. The most common ribbon length is $\frac{1}{2}$.
- A line plot shows ribbon lengths in yards: $\frac{1}{4} \rightarrow 2$ Xs, $\frac{1}{2} \rightarrow 6$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 1$ X. The total number of ribbons measured is 12.
- A line plot shows amounts of water in cups: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 2$ Xs, $\frac{7}{8} \rightarrow 4$ Xs. The number of containers with $\frac{7}{8}$ cup is 4.
- A line plot shows amounts of water in cups: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 2$ Xs, $\frac{7}{8} \rightarrow 4$ Xs. The value with the fewest X marks is $\frac{5}{8}$.

Part C: Short Answer

Answer each question in one or two complete sentences.

- A line plot shows caterpillar lengths in inches: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 2$ Xs, $\frac{3}{4} \rightarrow 5$ Xs, $1 \rightarrow 1$ X. How many