



Line Plots

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

- A line plot shows juice per glass in cups: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 6$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 2$ Xs. Total juice for the $\frac{1}{2}$ -cup glasses: _____ cups.
- Using the juice data, total juice for the $\frac{3}{4}$ -cup glasses: _____ cups.
- Using the juice data, total juice for ALL glasses combined (write as a mixed number): _____ cups.
- A line plot shows wire lengths in feet: $\frac{1}{8} \rightarrow 5$ Xs, $\frac{1}{4} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 2$ Xs. Total length of the $\frac{1}{8}$ -foot wires: _____ feet.
- Using the wire data, total length of ALL wires combined (write as a mixed number): _____ feet.
- A line plot shows snowfall per day in inches: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 1$ X. The difference between total snowfall at $\frac{1}{2}$ inch and total snowfall at $\frac{1}{4}$ inch is _____ inches.
- Using the snowfall data, total snowfall across all 13 days (write as a mixed number): _____ inches.
- A line plot shows candle heights in inches: $\frac{1}{4} \rightarrow 2$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 4$ Xs. Total height of the candles that are exactly 1 inch: _____ inches.
- Using the candle data, if 2 more candles of $\frac{1}{2}$ inch are added to the data, the new total height for ALL candles would be _____ inches.

Part B: Matching

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

- Match each item to its correct answer.

Line plot: $\frac{1}{4} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. Total of all data values?	→	$\frac{1}{2}$
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Answer Key • Line Plots • Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A line plot shows juice per glass in cups: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 6$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 2$ Xs. Total juice for the $\frac{1}{2}$ -cup glasses: 3 cups.
2. Using the juice data, total juice for the $\frac{3}{4}$ -cup glasses: 3 cups.
3. Using the juice data, total juice for ALL glasses combined (write as a mixed number): $8\frac{3}{4}$ cups.
4. A line plot shows wire lengths in feet: $\frac{1}{8} \rightarrow 5$ Xs, $\frac{1}{4} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 2$ Xs. Total length of the $\frac{1}{8}$ -foot wires: $\frac{5}{8}$ feet.
5. Using the wire data, total length of ALL wires combined (write as a mixed number): $3\frac{7}{8}$ feet.
6. A line plot shows snowfall per day in inches: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 1$ X. The difference between total snowfall at $\frac{1}{2}$ inch and total snowfall at $\frac{1}{4}$ inch is $\frac{3}{2}$ inches.
7. Using the snowfall data, total snowfall across all 13 days (write as a mixed number): $6\frac{3}{4}$ inches.
8. A line plot shows candle heights in inches: $\frac{1}{4} \rightarrow 2$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 4$ Xs. Total height of the candles that are exactly 1 inch: 4 inches.
9. Using the candle data, if 2 more candles of $\frac{1}{2}$ inch are added to the data, the new total height for ALL candles would be $11\frac{1}{4}$ inches.

Part B: Matching

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

1. Match each item to its correct answer.

Line plot: $\frac{1}{4} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs.
Total of all data values?

→ 5

$\frac{1}{2}$

Line plot: $\frac{1}{6} \rightarrow 4$ Xs, $\frac{3}{6} \rightarrow 2$ Xs, $\frac{5}{6} \rightarrow 6$ Xs.

$6\frac{3}{6}$