



Line Plots

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A line plot shows trail distances hiked in miles: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 6$ Xs, $1 \rightarrow 2$ Xs.

What is the total distance hiked by all hikers?

- A) $10 \frac{1}{4}$ miles
- B) $9 \frac{3}{4}$ miles
- C) 10 miles
- D) 11 miles

2. A line plot shows paint used per project in cups: $\frac{1}{8} \rightarrow 4$ Xs, $\frac{1}{4} \rightarrow 6$ Xs, $\frac{3}{8} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 2$ Xs.

The total paint for all projects is $4 \frac{1}{8}$ cups. If paint comes in 2-cup bottles, how many bottles are needed?

- A) 2 bottles
- B) 4 bottles
- C) 3 bottles
- D) 1 bottle

3. A line plot shows stone weights in pounds: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 3$ Xs, $1 \rightarrow 2$ Xs. What is the difference between the total weight of all $\frac{3}{4}$ -pound stones and the total weight of all $\frac{1}{4}$ -pound stones?

- A) $1 \frac{1}{2}$ pounds
- B) 1 pound
- C) $\frac{3}{4}$ pound
- D) 2 pounds

4. A line plot shows liquid volumes in liters: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 4$ Xs, $\frac{7}{8} \rightarrow 2$ Xs. What fraction of the 14 containers hold $\frac{5}{8}$ liter or more?

- A) $\frac{6}{14}$
- B) $\frac{5}{14}$
- C) $\frac{4}{14}$
- D) $\frac{8}{14}$

Part B: Fill in the Blank

Write the correct answer on each line.

1. A line plot shows reading times in hours: $\frac{1}{4} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 3$ Xs. Total reading time for all 18 students (write as a mixed number): _____ hours.

2. Using the reading data, the total time for students who read $\frac{1}{2}$ hour or less is _____ hours.

3. A line plot shows tape lengths in meters: $\frac{3}{8} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 3$ Xs, $\frac{5}{8} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. Total length of the $\frac{5}{8}$ -meter tapes (write as a mixed number): _____ meters.

Part A: Multiple Choice

Circle the best answer for each question.

1. A line plot shows trail distances hiked in miles: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 6$ Xs, $1 \rightarrow 2$ Xs.

What is the total distance hiked by all hikers?

- A) $10 \frac{1}{4}$ miles
- B) $9 \frac{3}{4}$ miles
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2. A line plot shows paint used per project in cups: $\frac{1}{8} \rightarrow 4$ Xs, $\frac{1}{4} \rightarrow 6$ Xs, $\frac{3}{8} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 2$ Xs.

The total paint for all projects is $4 \frac{1}{8}$ cups. If paint comes in 2-cup bottles, how many bottles are needed?

- A) 2 bottles
- B) 4 bottles
- C) 3 bottles
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pound stones and the total weight of all $\frac{1}{4}$ -pound stones?

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1. A line plot shows reading times in hours: $\frac{1}{4} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 3$ Xs. Total reading time for all 18 students (write as a mixed number): 10 hours.

2. Using the reading data, the total time for students who read $\frac{1}{2}$ hour or less is 4 hours.

3. A line plot shows tape lengths in meters: $\frac{3}{8} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 3$ Xs, $\frac{5}{8} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. Total length of the $\frac{5}{8}$ -meter tapes (write as a mixed number): $2 \frac{1}{2}$ meters.