



Line Plots with Fractions

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A gardener records seedling growth in inches: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{1}{4} \rightarrow 5$ Xs, $\frac{3}{8} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 2$ Xs. What is the total growth of all seedlings?

- A) $3 \frac{7}{8}$ inches
- B) $4 \frac{1}{8}$ inches
- C) $3 \frac{5}{8}$ inches
- D) 4 inches

2. A chef measures leftover sauce in cups: $\frac{1}{4} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. She combines all sauce (total = 5 cups) and uses 3 cups. How much sauce remains?

- A) 2 cups
- B) 1 cup
- C) $1 \frac{1}{2}$ cups
- D) $\frac{1}{2}$ cup

3. Students tracked rainfall over 15 days: $0 \rightarrow 3$ Xs, $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 2$ Xs, $1 \rightarrow 1$ X. What fraction of the 15 days had $\frac{1}{2}$ inch or more of rain?

- A) $\frac{8}{15}$
- B) $\frac{7}{15}$
- C) $\frac{5}{15}$
- D) $\frac{1}{3}$

4. A line plot shows ribbon per gift in yards: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 2$ Xs. Total = $8 \frac{1}{4}$ yards. Ribbon is sold in 5-yard rolls. How many complete rolls are needed?

- A) 1 roll
- B) 3 rolls
- C) 2 rolls
- D) 4 rolls

Part B: Fill in the Blank

Write the correct answer on each line.

1. A line plot shows test times in hours: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 8$ Xs, $\frac{3}{4} \rightarrow 6$ Xs, $1 \rightarrow 2$ Xs. Total time for all 20 students (write as a mixed number): _____ hours.

2. Using the test time data, the number of students who took less than $\frac{3}{4}$ hour is _____.

3. A line plot shows bread weights in pounds: $\frac{3}{8} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. Total weight of $\frac{5}{8}$ -pound loaves (write as a mixed number): _____ pounds.

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

Part A: Multiple Choice

Circle the best answer for each question.

1. A gardener records seedling growth in inches: $\frac{1}{8} \rightarrow 3$ Xs, $\frac{1}{4} \rightarrow 5$ Xs, $\frac{3}{8} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 2$ Xs. What is the total growth of all seedlings?

- A) $3 \frac{7}{8}$ inches
- B) $4 \frac{1}{8}$ inches
- C) $3 \frac{5}{8}$ inches
- D) 4 inches

2. A chef measures leftover sauce in cups: $\frac{1}{4} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. She combines all sauce (total = 5 cups) and uses 3 cups. How much sauce remains?

- A) 2 cups
- B) 1 cup
- C) $1 \frac{1}{2}$ cups
- D) $\frac{1}{2}$ cup

3. Students tracked rainfall over 15 days: $0 \rightarrow 3$ Xs, $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 2$ Xs, $1 \rightarrow 1$ X. What fraction of the 15 days had $\frac{1}{2}$ inch or more of rain?

- A) $\frac{8}{15}$
- B) $\frac{7}{15}$
- C) $\frac{5}{15}$
- D) $\frac{1}{3}$

4. A line plot shows ribbon per gift in yards: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 2$ Xs. Total = $8 \frac{1}{4}$ yards. Ribbon is sold in 5-yard rolls. How many complete rolls are needed?

- A) 1 roll
- B) 3 rolls
- C) 2 rolls
- D) 4 rolls

Part B: Fill in the Blank

Write the correct answer on each line.

1. A line plot shows test times in hours: $\frac{1}{4} \rightarrow 4$ Xs, $\frac{1}{2} \rightarrow 8$ Xs, $\frac{3}{4} \rightarrow 6$ Xs, $1 \rightarrow 2$ Xs. Total time for all 20 students (write as a mixed number): $11 \frac{1}{2}$ hours.

2. Using the test time data, the number of students who took less than $\frac{3}{4}$ hour is 12.

3. A line plot shows bread weights in pounds: $\frac{3}{8} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 5$ Xs, $\frac{5}{8} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 2$ Xs. Total weight of $\frac{5}{8}$ -pound loaves (write as a mixed number): $2 \frac{1}{2}$ pounds.

4. Using the bread data, total weight of ALL loaves combined (write as a fraction): $\frac{61}{8}$.