



Line Plots

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A line plot shows soil added to pots in cups: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 6$ Xs, $1 \rightarrow 3$ Xs. What is the total soil used for all 18 pots?

- A) $10 \frac{3}{4}$ cups
- B) $11 \frac{1}{4}$ cups
- C) $10 \frac{1}{2}$ cups
- D) 11 cups

2. A line plot shows cord lengths in feet: $\frac{1}{8} \rightarrow 2$ Xs, $\frac{1}{4} \rightarrow 4$ Xs, $\frac{3}{8} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 3$ Xs. The total cord length is 5 feet. If a student needs 6 feet total, how much more cord is needed?

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

3. A line plot shows cheese portions in pounds: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 2$ Xs. How much more total cheese is in the $\frac{1}{2}$ -pound portions than the $\frac{1}{4}$ -pound portions?

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

4. A line plot shows ink volumes in ounces: $\frac{1}{8} \rightarrow 4$ Xs, $\frac{2}{8} \rightarrow 6$ Xs, $\frac{3}{8} \rightarrow 3$ Xs, $\frac{4}{8} \rightarrow 5$ Xs. What fraction of the 18 cartridges hold $\frac{2}{8}$ ounce or less?

- A) $\frac{10}{18}$
- B) $\frac{6}{18}$
- C) $\frac{4}{18}$
- D) $\frac{12}{18}$

Part B: Fill in the Blank

Write the correct answer on each line.

1. A line plot shows exercise times in hours: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 8$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 3$ Xs. Total exercise time for all 20 people (write as a mixed number): _____ hours.

2. Using the exercise data, the total time for people who exercised $\frac{3}{4}$ hour or more is _____ hours.

3. A line plot shows glue sticks used in ounces: $\frac{1}{8} \rightarrow 6$ Xs, $\frac{1}{4} \rightarrow 4$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 3$ Xs. Total glue from the $\frac{3}{8}$ -ounce sticks (write as a mixed number): _____ ounces.

Part A: Multiple Choice

Circle the best answer for each question.

1. A line plot shows soil added to pots in cups: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 4$ Xs, $\frac{3}{4} \rightarrow 6$ Xs, $1 \rightarrow 3$ Xs. What is the total soil used for all 18 pots?

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- B) $11 \frac{1}{4}$ cups
- C) $10 \frac{1}{2}$ cups
- D) 11 cups

2. A line plot shows cord lengths in feet: $\frac{1}{8} \rightarrow 2$ Xs, $\frac{1}{4} \rightarrow 4$ Xs, $\frac{3}{8} \rightarrow 6$ Xs, $\frac{1}{2} \rightarrow 3$ Xs. The total cord length is 5 feet. If a student needs 6 feet total, how much more cord is needed?

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- B) 1 foot
- C) $1 \frac{1}{8}$ feet
- D) $\frac{3}{4}$ foot

3. A line plot shows cheese portions in pounds: $\frac{1}{4} \rightarrow 3$ Xs, $\frac{1}{2} \rightarrow 7$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 2$ Xs. How much more total cheese is in the $\frac{1}{2}$ -pound portions than the $\frac{1}{4}$ -pound portions?

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4. A line plot shows ink volumes in ounces: $\frac{1}{8} \rightarrow 4$ Xs, $\frac{2}{8} \rightarrow 6$ Xs, $\frac{3}{8} \rightarrow 3$ Xs, $\frac{4}{8} \rightarrow 5$ Xs. What fraction of the 18 cartridges hold $\frac{2}{8}$ ounce or less?

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Part B: Fill in the Blank

Write the correct answer on each line.

1. A line plot shows exercise times in hours: $\frac{1}{4} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 8$ Xs, $\frac{3}{4} \rightarrow 4$ Xs, $1 \rightarrow 3$ Xs. Total exercise time for all 20 people (write as a mixed number): $11 \frac{1}{4}$ hours.

2. Using the exercise data, the total time for people who exercised $\frac{3}{4}$ hour or more is 6 hours.

3. A line plot shows glue sticks used in ounces: $\frac{1}{8} \rightarrow 6$ Xs, $\frac{1}{4} \rightarrow 4$ Xs, $\frac{3}{8} \rightarrow 5$ Xs, $\frac{1}{2} \rightarrow 3$ Xs. Total glue from the $\frac{3}{8}$ -ounce sticks (write as a mixed number): $1 \frac{7}{8}$ ounces.

4. Using the glue data, total glue for ALL sticks combined (write as a mixed number): $5 \frac{1}{8}$