Line Plots

Name: _____ Date: _____ Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A baker records flour per batch in cups: $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, 1, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{1}{2}$. How many X marks go at $\frac{1}{4}$ on the line plot?

2. Using the baker's data, how many X marks go at $\frac{1}{2}$ on the line plot?

3. Using the baker's data, the mode of the data set is _____.

4. Using the baker's data, the total flour used across all 12 batches (write as a mixed number) is _____ cups.

5. A line plot shows time spent on chores in hours: $\frac{1}{4}$→5 Xs, $\frac{1}{2}$→3 Xs, $\frac{3}{4}$→6 Xs, 1→2 Xs. The total number of people surveyed is _____.

6. Using the chores data, how many people spent less than $\frac{3}{4}$ hour on chores? Answer: _____.

7. A line plot shows ribbon pieces in meters: $\frac{1}{8}$→3 Xs, $\frac{3}{8}$→5 Xs, $\frac{5}{8}$→2 Xs, $\frac{7}{8}$→4 Xs. The value with the most X marks is _____ meter.

8. Using the ribbon data, the number of pieces that are $\frac{5}{8}$ meter or longer is _____.

9. Using the ribbon data, how many more pieces are $\frac{3}{8}$ meter than $\frac{5}{8}$ meter? Answer: _____.

Part B: Matching

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

1. Match each item to its correct answer.

Data: $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, 1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$. What is the mode?	→ _____	3
Line plot: $\frac{1}{8}$→2 Xs, $\frac{2}{8}$→5 Xs, $\frac{3}{8}$→3 Xs, $\frac{4}{8}$→1 X. Total data points?	→ _____	7

Answer Key · Line Plots · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A baker records flour per batch in cups: $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, 1, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{1}{2}$. How many X marks go at $\frac{1}{4}$ on the line plot?

2. Using the baker's data, how many X marks go at $\frac{1}{2}$ on the line plot?

3. Using the baker's data, the mode of the data set is **$\frac{1}{4}$ and $\frac{1}{2}$** .

4. Using the baker's data, the total flour used across all 12 batches (write as a mixed number) is **$6\frac{1}{4}$** cups.

5. A line plot shows time spent on chores in hours: $\frac{1}{4}$→5 Xs, $\frac{1}{2}$→3 Xs, $\frac{3}{4}$→6 Xs, 1→2 Xs. The total number of people surveyed is **16** .

6. Using the chores data, how many people spent less than $\frac{3}{4}$ hour on chores? Answer: **8** .

7. A line plot shows ribbon pieces in meters: $\frac{1}{8}$→3 Xs, $\frac{3}{8}$→5 Xs, $\frac{5}{8}$→2 Xs, $\frac{7}{8}$→4 Xs. The value with the most X marks is **$\frac{3}{8}$** meter.

8. Using the ribbon data, the number of pieces that are $\frac{5}{8}$ meter or longer is **6** .

9. Using the ribbon data, how many more pieces are $\frac{3}{8}$ meter than $\frac{5}{8}$ meter? Answer: **3** .

Part B: Matching

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

1. Match each item to its correct answer.

Data: $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, 1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$. What is the mode?	→ **$\frac{1}{2}$ and $\frac{3}{4}$**	3
Line plot: $\frac{1}{8}$→2 Xs, $\frac{2}{8}$→5 Xs, $\frac{3}{8}$→3 Xs, $\frac{4}{8}$→1 X. Total data points?	→ **11**	7
Line plot: $\frac{1}{4}$→3 Xs, $\frac{1}{2}$→4 Xs, $\frac{3}{4}$→1 X,		11