Line Plots

Name: _____ Date: _____ 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: $\frac{1}{4}$→3 Xs, $\frac{1}{2}$→6 Xs, $\frac{3}{4}$→4 Xs, 1→2 Xs. Total juice for the $\frac{1}{2}$-cup glasses: _____ cups.

2. Using the juice data, total juice for the $\frac{3}{4}$-cup glasses: _____ cups.

3. Using the juice data, total juice for ALL glasses combined (write as a mixed number): _____ cups.

4. A line plot shows wire lengths in feet: $\frac{1}{8}$→5 Xs, $\frac{1}{4}$→3 Xs, $\frac{3}{8}$→4 Xs, $\frac{1}{2}$→2 Xs. Total length of the $\frac{1}{8}$-foot wires: _____ feet.

5. Using the wire data, total length of ALL wires combined (write as a mixed number): _____ feet.

6. A line plot shows snowfall per day in inches: $\frac{1}{4}$→4 Xs, $\frac{1}{2}$→5 Xs, $\frac{3}{4}$→3 Xs, 1→1 X. The difference between total snowfall at $\frac{1}{2}$ inch and total snowfall at $\frac{1}{4}$ inch is _____ inches.

7. Using the snowfall data, total snowfall across all 13 days (write as a mixed number): _____ inches.

8. A line plot shows candle heights in inches: $\frac{1}{4}$→2 Xs, $\frac{1}{2}$→7 Xs, $\frac{3}{4}$→3 Xs, 1→4 Xs. Total height of the candles that are exactly 1 inch: _____ 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 _____ 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: $\frac{1}{4}$→6 Xs, $\frac{1}{2}$→4 Xs, $\frac{3}{4}$→2 Xs. Total of all data values?	→ _____	$\frac{1}{2}$
Line plot: $\frac{1}{8}$→4 Xs, $\frac{3}{8}$→2 Xs, $\frac{5}{8}$→6 Xs, $\frac{7}{8}$→4 Xs. Total data points?	→ _____	$6\frac{3}{4}$

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: $\frac{1}{4}$→3 Xs, $\frac{1}{2}$→6 Xs, $\frac{3}{4}$→4 Xs, 1→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: $\frac{1}{8}$→5 Xs, $\frac{1}{4}$→3 Xs, $\frac{3}{8}$→4 Xs, $\frac{1}{2}$→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: $\frac{1}{4}$→4 Xs, $\frac{1}{2}$→5 Xs, $\frac{3}{4}$→3 Xs, 1→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: $\frac{1}{4}$→2 Xs, $\frac{1}{2}$→7 Xs, $\frac{3}{4}$→3 Xs, 1→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: $\frac{1}{4}$→6 Xs, $\frac{1}{2}$→4 Xs, $\frac{3}{4}$→2 Xs. Total of all data values?	→ **5**	$\frac{1}{2}$
Line plot: $\frac{1}{8}$→4 Xs, $\frac{3}{8}$→2 Xs, $\frac{5}{8}$→6 Xs, $\frac{7}{8}$→4 Xs. Total data points?	→ **16**	$6\frac{3}{4}$
Line plot: $\frac{1}{2}$→5 Xs, $\frac{3}{4}$→4 Xs, 1→3 Xs.		5