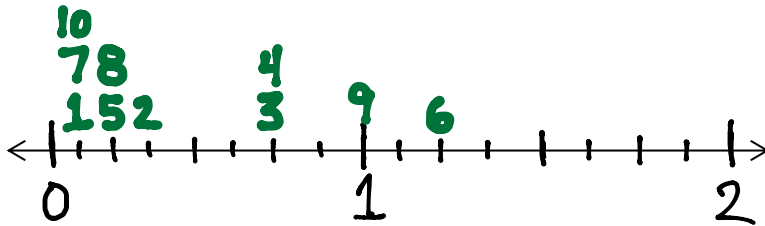


Name _____

Date _____

1. A meteorologist set up rain gauges at various locations around a city, and recorded the rainfall amounts in the table below. Use the data in the table to create a line plot using $\frac{1}{8}$ inches.



- a. Which location received the most rainfall?

Location 6

- b. Which location received the least rainfall?

Locations 1, 7, and 10.

- c. Which rainfall measurement was the most frequent?

$\frac{1}{8}$ inches was most frequent.

- d. What is the total rainfall in inches?

$$\begin{aligned} &\frac{1}{8} + \frac{3}{8} + \frac{3}{4} + \frac{3}{4} + \frac{1}{4} + 1\frac{1}{4} + \frac{1}{8} + \frac{1}{4} + 1 + \frac{1}{8} \\ &\underbrace{\frac{1}{8} + \frac{3}{8}}_{\frac{1}{2}} + \underbrace{\frac{3}{4} + \frac{3}{4}}_{1\frac{1}{2}} + \underbrace{\frac{1}{4} + 1\frac{1}{4} + \frac{1}{8}}_{1\frac{1}{2}} + \underbrace{\frac{1}{4} + 1 + \frac{1}{8}}_{1\frac{1}{2}} \\ &\underbrace{2}_{2} + \underbrace{3}_{3} \\ &5 \end{aligned}$$

5 inches total rainfall.

Location	Rainfall Amount (inches)
1	$\frac{1}{8}$
2	$\frac{3}{8}$
3	$\frac{3}{4}$
4	$\frac{3}{4}$
5	$\frac{1}{4}$
6	$1\frac{1}{4}$
7	$\frac{1}{8}$
8	$\frac{1}{4}$
9	1
10	$\frac{1}{8}$