

Name: _____ Date: _____

The data below represents the amount of rainfall (inches) in Atlanta, Georgia over a given period each day.

5/8	6/8	7/8	4/8	3/8	2/8	3/8	4/8	6/8
4/8	2/8	5/8	2/8	6/8	7/8	4/8	7/8	3/8

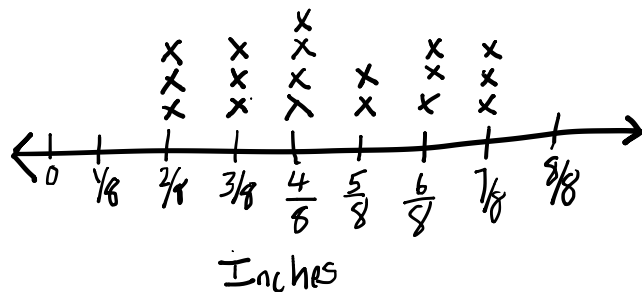
1. Display the rainfall data on a line plot
2. How many inches of rainfall fell altogether?
3. If the amount of rainfall was spread evenly throughout the collected days, how many inches fell each day?
4. How many days was the recorded rainfall less than or equal to $\frac{3}{4}$ inch?
5. How many times larger is the most rainfall compared to the least amount of rainfall?

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1. Display the rainfall data on a line plot

5/8	6/8	7/8	4/8	3/8	2/8	3/8	4/8	6/8
4/8	2/8	5/8	2/8	6/8	7/8	4/8	7/8	3/8

Amount of Rainfall in Atlanta, GA



2. How many inches of rainfall fell altogether?

$$\left(\frac{2}{8} \times 3\right) + \left(\frac{3}{8} \times 3\right) + \left(\frac{4}{8} \times 4\right) + \left(\frac{5}{8} \times 2\right) + \left(\frac{6}{8} \times 3\right) + \left(\frac{7}{8} \times 3\right)$$

$$\frac{6}{8} + \frac{9}{8} + \frac{16}{8} + \frac{10}{8} + \frac{15}{8} + \frac{21}{8} = \frac{60}{8} = 10 \text{ inches}$$

3. If the amount of rainfall was spread evenly throughout the collected days, how many inches fell each day?

$$10 \div 14 = \frac{10}{14} = \frac{5}{7} \text{ inches per day.}$$

4. How many days was the recorded rainfall less than or equal to $\frac{3}{4}$ inch?

15 days

5. How many times larger is the most rainfall compared to the least amount of rainfall?

$$\frac{7}{8} \div \frac{2}{8} = \frac{7}{8} \times \frac{8}{2} = \frac{7}{2} = 3.5 \text{ times more.}$$