Unit 6, Lesson 14

Representing Fractions on a Line Plot

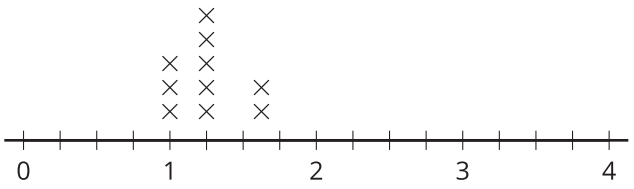
Let's make a line plot and analyze the data we collect.

Warm-up

Which Three Go Together: Line Plot

Which 3 go together?

A



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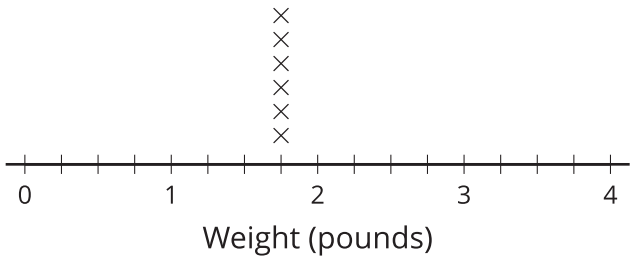
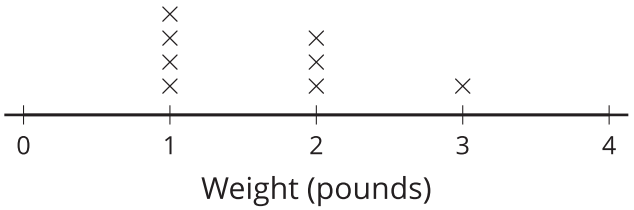
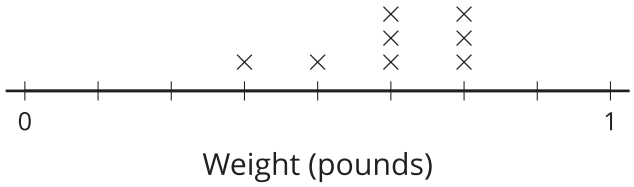


C



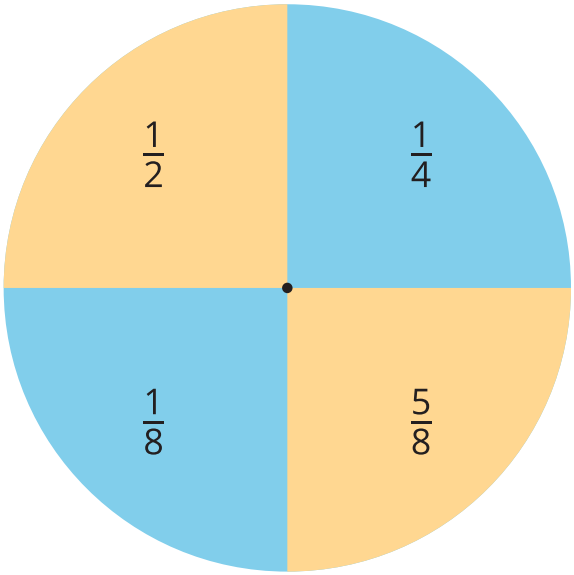
D



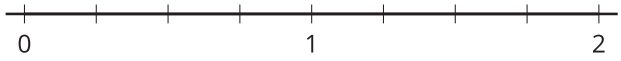
Activity 1

Sums of Fractions

1. Play Sums of Fractions with your partner.



- Spin the spinner twice.
- Add the 2 fractions.
- Record the sum on the line plot.
- Take turns until you and your partner together have 12 data points.



2. How did you know where to plot the sums of eighths?

3. What is the difference between your greatest and least numbers?

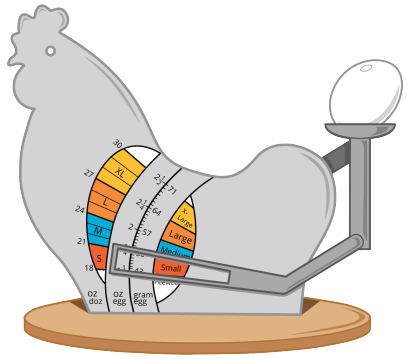
4. What do you notice about the data you collected?

Activity 2

A Lot of Eggs

1. Here are the weights of some eggs, in ounces. Use them to make a line plot.

$1\frac{7}{8}$ $2\frac{1}{2}$ $2\frac{3}{8}$ $1\frac{3}{4}$ $2\frac{1}{4}$ $2\frac{4}{8}$ $2\frac{1}{8}$ $1\frac{7}{8}$ $2\frac{1}{4}$ $1\frac{6}{8}$ $2\frac{1}{8}$ $1\frac{7}{8}$



2. Jada says that $\frac{1}{4}$ of the eggs weigh $1\frac{7}{8}$ ounces. Do you agree? Explain or show your reasoning.

3. How much heavier is the heaviest egg than the lightest egg? Explain or show your reasoning.