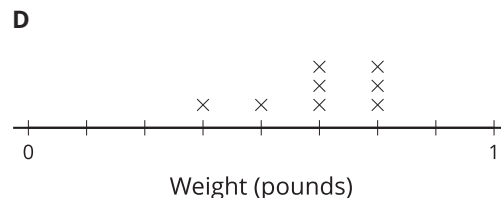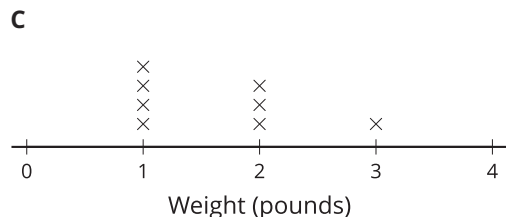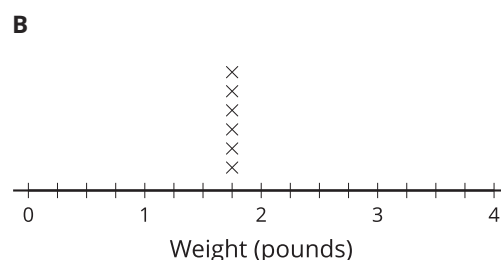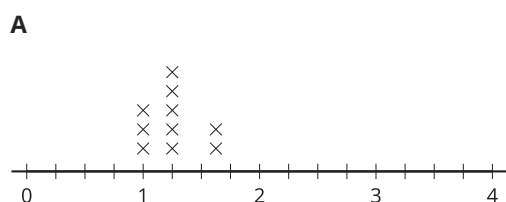# Lesson 14: Representing Fractions on a Line Plot

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

Warm-up: Which One Doesn't Belong: Line Plot
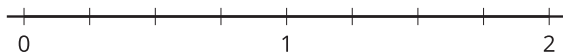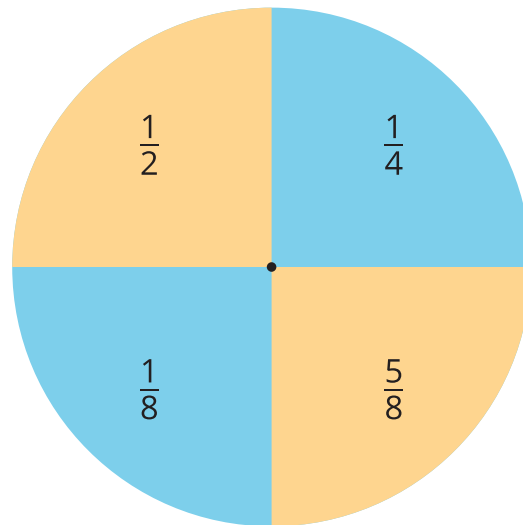
Which one doesn't belong?

A

B

C

D

14.1: Sums of Fractions

1. Play Sums of Fractions with your partner.

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

The spinner is divided into four equal sections labeled $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, and $\frac{5}{8}$.

A number line marked from 0 to 2.

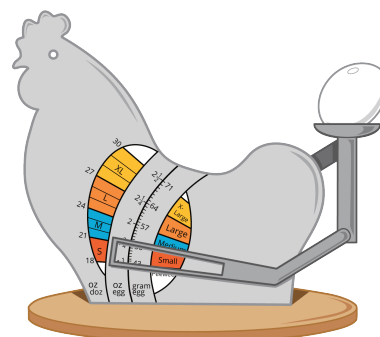2. How did you know where to plot the sums of eighths?

3. What is the difference between your highest and lowest number?

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

14.2: Lots 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 said 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.