## **Line Plots**

Common	COMMON CORE STANDARD—5.MD.B.2
Core	Represent and interpret data.

Use the data to complete the line plot. Then answer the questions.

A clerk in a health food store makes bags of trail mix. The amount of trail mix in each bag is listed below.

$$\frac{1}{4}$$
 lb,  $\frac{1}{4}$  lb,  $\frac{3}{4}$  lb,  $\frac{1}{2}$  lb,  $\frac{1}{4}$  lb,  $\frac{3}{4}$  lb,

$$\frac{3}{4}$$
 lb,  $\frac{3}{4}$  lb,  $\frac{1}{2}$  lb,  $\frac{1}{4}$  lb,  $\frac{1}{2}$  lb,  $\frac{1}{2}$  lb

**1.** What is the combined weight of the  $\frac{1}{4}$ -lb bags? \_\_\_1 b\_\_\_

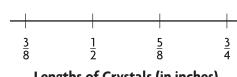
**Think:** There are four  $\frac{1}{4}$ -pound bags.



- **2.** What is the combined weight of the  $\frac{1}{2}$ -lb bags? \_\_\_\_\_
- Weight of Trail Mix (in pounds)
- **3.** What is the combined weight of the  $\frac{3}{4}$ -lb bags? \_\_\_\_\_
- **4.** What is the total weight of the trail mix used in all the bags? \_\_\_\_\_
- 5. What is the average amount of trail mix in each bag? \_\_\_\_\_

Julie uses crystals to make a bracelet. The lengths of the crystals are shown below.

$$\frac{1}{2} \text{ in., } \frac{5}{8} \text{ in., } \frac{3}{4} \text{ in., } \frac{1}{2} \text{ in., } \frac{3}{8} \text{ in., } \frac{1}{2} \text{ in., } \frac{3}{4} \text{ in.,}$$
$$\frac{3}{8} \text{ in., } \frac{3}{4} \text{ in., } \frac{5}{8} \text{ in., } \frac{1}{2} \text{ in., } \frac{3}{8} \text{ in., } \frac{5}{8} \text{ in., } \frac{3}{4} \text{ in.}$$



- **6.** What is the combined length of the  $\frac{1}{2}$ -in. crystals? \_\_\_\_\_
- Lengths of Crystals (in inches)
- **7.** What is the combined length of the  $\frac{5}{8}$ -in. crystals?
- **8.** What is the total length of all the crystals in the bracelet? \_\_\_\_\_
- **9.** What is the average length of each crystal in the bracelet? \_
- **10.** WRITE Math Describe the steps you can use to find an average of fractional amounts.